



# Sutan Ashari Mufti

## Curriculum Vitae
















[upsutan@gmail.com](mailto:upsutan@gmail.com) | [sutan.co.uk](http://sutan.co.uk) | [linkedin.com/in/sutanmufti](https://linkedin.com/in/sutanmufti)

## Summary

MSc graduate in Infrastructure Planning, Appraisal and Development from University College London (2021, UCL, United Kingdom) Bloomsbury London Campus, with a BSc in urban and regional planning Bandung Institute of Technology, Bandung (2019, Bandung). Experienced in UK solar farm development and infrastructure consulting, combined with strong full-stack software engineering, DevOps, cloud engineering, and data analysis capabilities. Brings a unique blend of technical, analytical, and planning expertise, with a clear career focus on delivering data-driven, sustainable urban infrastructure development.

Skills: Urban planning, infrastructure appraisal, financial modelling, advanced excel, Apache Spark, Data Analysis, Python, Power BI, Excel, Statistics, GIS, Qgis, ArcGIS, ArcPy, Linux, Fullstack Engineering.

## Skills Highlight

 <h3>Urban &amp; Infrastructure Planning</h3> <p>MSc Infrastructure planning from UCL (2021 UK, London), and Urban Planning (ITB, 2019). Experienced in transport &amp; financial modelling in infrastructure related projects. Notable past experience: Consultant in the World Bank (Jakarta) and contributor to Amberside Energy (London, UK).</p>   	 <h3>AI Enhanced Workflow</h3> <p>Sutan Mufti leverages AI tools like Claude Code to accelerate full-stack development across his SaaS ventures. He applies these tools to data-intensive challenges. Beyond code, Sutan uses AI assistance to navigate business and financial decisions.</p> <p>Notable projects: <a href="https://public-transport-analyser.com">Public-transport-analyser</a></p> <p><a href="http://sutan.co.uk">sutan.co.uk</a> <a href="http://pipepin.my.id">pipepin.my.id</a></p>  	 <h3>GIS &amp; Big Data Analytics</h3> <p>Specialises in large-scale geospatial analysis for transport, turning complex mobility datasets into actionable insight. His work helps planners and decision-makers understand how people move, where infrastructure falls short, and where investment will have the greatest impact.</p> <p><a href="#">Check this storymap</a></p>   	 <h3>Software Development</h3> <p>Builds and deploys full-stack software products, from designing backend APIs and databases to shipping frontend interfaces and managing cloud infrastructure. He takes ideas from architecture to production, solving challenges around scalability, data integrity, and system reliability along the way.</p>   
---	---	--	--

## Work Experience

### CoFounder & Technical Expert (2025-now)

*Enums.id, Bandung, Indonesia*

[Enums.id](#) is a software company that specialises in GIS and cloud based GIS systems. It leverages the power of the cloud to provide infrastructure solutions to its clients.

- Transport modelling for urban and transport consultancy projects
- DevOps services; I establish CI/CD pipelines, procure cloud infrastructure for the team, and monitor the apps in production
- Backend development for our products

### Senior Manager (Software) (2022-2025)

*Amberside Energy Ltd, London, United Kingdom*

Team manager in charge of analysis, support, and software development for solar farm development. Partnered with Copenhagen Infrastructure Partners.

- Supported analysis in relation to major pension fund managers as the investment partner
- Energy supply and demand analysis in the UK to appraise solar & battery projects
- Lead the software team to support business development (project management)
- Big GIS Spatial data analysis and data pipeline with python, typescript and cloud computing. Handled millions and gigabytes of data automatically.
- Full stack engineering specialising in web-map development and devops.
- Consulting analysis support for battery and solar related projects
- Cloud architecture and engineering

### Transport Consultant (2021-2022)

*The World Bank Group, Jakarta, Indonesia*

STT Consultant, a member of the transport team.

- Transport appraisal analysis for Bandung and Medan Bus Rapid Transit Project
- GTFS modelling to assess the feasibility of projects with GIS
- Financial analysis for the port team; port development feasibility study

### Urban Planner (2019-2020)

*Ulab Magnaversa, Bandung, Indonesia*

Ulab magnaversa is an urban design consultancy firm. Python and ArcGIS Pro were the primary tool in this role.

- Conducted research on urban spatial planning policy in West Java and Jakarta.
- Provided typology analysis for TOD LRT Jakarta (Velodrome - Pegangsaan Dua).
- Built environment analysis for various urban design projects in Jakarta and West Java.

### Internship (2018-2019)

*Bapperida Kota Bandung, Bandung, Indonesia*

Bapperida (formerly known as Bappelitbang or Bapeda Kota Bandung) is the municipal government body responsible for planning regional development, conducting research, and fostering innovation in Bandung City.

- GIS services for Bandung Spatial Plan (RTRW)
- Supported the procurement of Environmental Impact Analysis (KLHS) in support of Bandung Spatial Plan.

---

## Education



### **MSc Infrastructure Planning, Appraisal And Development**

2020-2021 University College London

(London, United Kingdom)

Dissertation: LRT Jakarta Development Decision Making Analysis. Modules:

- Infrastructures as Agents of Change
- Business Cases for Infrastructure
- Risk, Uncertainty and Complexity in Decision-Making
- Critical Issues in Infrastructure Funding, Financing & Investment
- Infrastructure Policy, Planning and Consent
- Major Infrastructure Planning Practice
- Dissertation in Planning
- Sustainability and Major Infrastructure Investments
- Environmental Assessment and Management



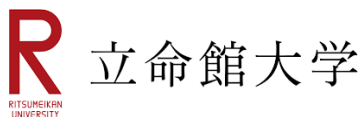
### **BSc Urban and Regional Planning**

2014-2019 Bandung Institute of Technology

(ITB, Bandung)

Dissertation: Walkability Study of Bandung Institute Technology Neighbourhood. Activities:

- Joined the ITB Student Orchestra. Part of the management team and contributed as 2017 concert producer



### **International Exchange Programme**

2017 Spring Period: Ritsumeikan University,

(Osaka Ibaraki Campus, Japan)

AIMS Programme spring period exchange programme between Urban Planning students from ITB with Ritsumeikan University Osaka Ibaraki Campus. Spring period from April 2017 - August 2017.

# Websites

The following section lists websites that I have built.

URL	description
<a href="https://sutan.co.uk">https://sutan.co.uk</a>	<p>Personal website. 90% vibe coded using chatgpt 5 written in typescript and developed with Vite. Deployed in Github pages with proper CI/CD build. It is also open-source.</p> <p>Showcases AI skills in delivering real work.</p>
<a href="https://storymap.ceritapeta.co.uk">https://storymap.ceritapeta.co.uk</a>	<p>The website is about an interactive “story map” website that explains Indonesia’s first high-speed railway (Jakarta–Bandung) using maps, visuals, and narrative text.</p> <p>Showcases the ability to present map based stories interactively.</p>
<a href="https://rekayasadata.co.uk">https://rekayasadata.co.uk</a>	<p>is a knowledge-sharing site (Medium publication) about spatial data engineering and geospatial data science, mainly aimed at Indonesian readers and professionals.</p> <p>Showcases leadership and ability to grow community in built environment and computer science.</p>

# Certification / Training

Title	Description
<b>Financing and Investing in Infrastructure</b> 2019 by Università Bocconi	The course focuses on how private investors approach infrastructure projects from the standpoint of equity, debt, and hybrid instruments.
<b>Data Analysis and Presentation Skills: the PwC Approach</b> 2019 by PwC	Data-driven Decision Making Problem Solving with Excel Data Visualization with Advanced Excel Effective Business Presentations with Powerpoint Data Analysis and Presentation Skills: the PwC Approach Final Project
<b>Architecting with Google Compute Engine</b> 2025 by Google	Essential Google Cloud Infrastructure: Foundation Essential Google Cloud Infrastructure: Core Services Elastic Google Cloud Infrastructure: Scaling and Automation Reliable Google Cloud Infrastructure: Design and Process

Title	Description
<p><b>Security in Google Cloud</b></p> <p>2025 by Google</p>	<p>Managing Security in Google Cloud  Security Best Practices in Google Cloud  Mitigating Security Vulnerabilities on Google Cloud</p>
<p><b>Business Statistics and Analysis</b></p> <p>2019 by Rice University</p>	<p>Introduction to Data Analysis Using Excel  Basic Data Descriptors, Statistical Distributions,  and Application to Business Decisions  Business Applications of Hypothesis Testing and  Confidence Interval Estimation  Linear Regression for Business Statistics  Business Statistics and Analysis Capstone</p>
<p><b>Statistics with Python</b></p> <p>2020 by University of Michigan</p>	<p>Understanding and Visualizing Data with Python  Inferential Statistical Analysis with Python  Fitting Statistical Models to Data with Python</p>