Ayser Ahmed Bijapur

Entry-Level AI Engineer | Data Science | Software Development
Nielsen India | Data Coordinator
Website: https://ayser-portfolio.vercel.app/

About Me

Computer Engineering graduate with experience in full-stack development, data analysis, and AI-related workflows. Proficient in Python, JavaScript, and TypeScript, with hands-on experience building scalable web applications, automation tools, and data-driven solutions through academic and professional work. Familiar with Agile/Scrum environments and interested in applying machine learning concepts, analytics, and modern system design in an AI-focused engineering role.

Contact

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Education

- MH Saboo Siddik College of Engineering   2020 - 2024
  - *Bachelor of Engineering - Computer Engineering*

- Ryan International School   2018-2020
  - *Council For The Indian school Certificate Examinations*

Professional Experience

- **Nielsen India**   July 2025 - Present
  Data Co-Ordinator

  - *Analyzed radio audience data for US-based clients.*
  - *Documented listening patterns across stations, bands, and frequencies, segmented by age groups and demographic backgrounds.*
  - *Maintained strong performance by consistently meeting quality and productivity KPIs in a data-driven reporting environment.*

- **Outlier AI**   November 2024 - Present
  Freelance

  - *Trained and evaluated Programming and Language bots using annotated datasets and performance metrics.*
  - *Conducted quality checks and performance testing to ensure improved AI responses.*
  - *Applied linguistic expertise to enhance language model comprehension and output accuracy.*

- **Fugro**   June 2024 - September 2024
  Apprentice

  - *Streamlined processes and improved operational efficiency through automation and data-driven solutions.*
  - *Automated resource allocation tracking and developed project-specific dashboards to improve stakeholder visibility and decision-making.*
  - *Introduced project-specific timesheets and built performance and training trackers to monitor KPIs and optimize workforce planning.*
  - *Designed intuitive tools and frameworks that reduced manual effort and supported strategic business objectives.*

Technical Skills and Interests

- *Languages: C, C++, JavaScript, TypeScript, Java, Python, VBA*
- *Frameworks & Libraries: Node.js, Express.js, React.js, Next.js, Tailwind CSS*
- *Tools: Git/GitHub, Advanced Excel, Google Colab, Docker, AWS*
- *Databases: MySQL, PostgreSQL, MongoDB*
- *Core Interests: Artificial Intelligence, Machine Learning, Data Analysis, Model Evaluation, Automation*

Certifications

- *Data Science Methodologies*
- *Databases and SQL for Data Science*
- Introduction to Data Science
- Python for Data Science, AI & Development
- Tools for Data Science
- Career Essentials in Generative AI

- *Python Hands-On Practice*
- *Practice It: Python Data Structures*
- *Full-Stack Deep Learning with Python*

Projects

Academic Projects -

- Blockchain-Based Polling System:
  - Designed a secure polling system accessible exclusively to MetaMask users, enabling login and voting via their wallets.
  - Tech Stack - Node.js, Express.js, MetaMask, Web3.js, MongoDB, React.js. HTML, CSS, JWT, Solidity

- CNN-Based Traffic Sign Classifier UI:
  - Developed a real-time traffic sign classifier with an intuitive UI to detect and identify traffic signs accurately.
  - Tech Stack - Node.js, TensorFlow, Keras, React.js. HTML, CSS

- UI-Based Flashcard Application -
  - Created an intuitive interface for storing, loading, adding, deleting, and reviewing flashcards for quick revisions.
  - Tech Stack - Node.js, Express.js, MongoDB , React.js, HTML, CSS, Tailwind CSS

- E-Commerce Website -
  - Developed a dynamic website for managing the grocery market on a local system.
  - Tech Stack - Node.js, Express.js, MongoDB, React.js, PayPal, Redux, HTML, CSS, Bootstrap or Tailwind CSS

Professional Projects (with Fugro)-

- Resource Allocation Tracker -
  - Automated manual entries in the previous tracker for streamlined management.
  - Tech Stack - TypeScript, VBA, Advanced Excel

- Project-Specific Dashboards -
  - Created individual dashboards for all projects, catering to internal and external stakeholders.
  - Tech Stack - TypeScript, VBA, Power BI

- Timesheet Updates -
  - Replaced the common timesheet with project-specific timesheets to better manage employee workloads.
  - Tech Stack - TypeScript, VBA, Power Query, Advanced Excel

- Performance Tracker -
  - Developed a tracker to monitor individual and team performance against KPIs.
  - Tech Stack - TypeScript, VBA, Advanced Excel

- Training Tracker -
  - Automated tracking of completed and ongoing employee training for optimized project allocation.
  - Tech Stack - TypeScript, VBA, Advanced Excel

Self-Learning Projects -

- Chat-App -
  - Developed using Node.js and Express.js for the backend, with Socket.IO for real-time bidirectional event-based communication.
  - Features include real-time messaging, user presence indicators, and message history.
  - Tech Stack - Node.js, Express.js, Socket.IO, HTML, CSS

- Portfolio Website -
  - Developed using Next.js responsive website to showcase my expertise and skills for recruiters.
  - Tech Stack - Next.js, React, Vercel, TypeScript.