

Baratam Trivickram

+91 7780275446 | trivickrambaratam@gmail.com | linkedin.com/in/trivickram | github.com/trivickram

SUMMARY

Software Development Engineer with strong foundations in Data Structures, Algorithms, and Object-Oriented Programming. Proficient in Python and Java, with experience in building scalable applications, implementing REST APIs, and deploying cloud-native solutions on AWS. Skilled in SQL, debugging, testing, and CI/CD pipelines. AWS Certified Cloud Practitioner with proven ability to deliver production-grade solutions through academic and industry projects.

EDUCATION

Vellore Institute of Technology, India

Sep 2022 – Aug 2026

Bachelor of Technology, Electronics and Communication Engineering

8.65/10.00 CGPA

EXPERIENCE

Data Analyst

May 2025 – Jul 2025

MEDxAI Innovations

- Built and deployed a Streamlit BI dashboard using Python, Pandas, and Plotly, processing 10K+ records into 15+ interactive visualizations, improving reporting speed by 40%.
- Integrated Google Gemini AI for natural-language queries and automated revenue, growth, and sentiment analysis across 15+ companies, enabling 30% faster insights.

Research Intern

May 2024 – July 2024

National Institute of Technology, Warangal

- Engineered a machine learning model using Random Forest and PCA on the UCI Parkinson's dataset, achieving 96.7% accuracy and improving early diagnosis workflow by 30% through automated prediction.
- Conducted exploratory data analysis (EDA) and model evaluation using Python, Pandas, and Matplotlib

PROJECTS

Cold Email Generator | AI/ML, Full-Stack Development, AWS | [Source](#)

July 2025 – Present

- Built full-stack AI app (React.js, Node.js, Python) using Llama LLMs, GROQ API, and ChromaDB; achieved 99.9% uptime, 60s output time, and scaled to 1000+ users.
- Developed secure RESTful API (Express.js, LangChain) with CORS, Helmet, rate limiting; deployed via CI/CD with 99.5% success rate.
- Engineered intelligent matching system using ChromaDB and BeautifulSoup with 95%+ accuracy. Enhanced UX with React Query, Framer Motion, and responsive design across 5+ devices; ensured 99.9% API availability.

MunchMate - Food Ordering Web App | *MongoDB, ReactJS, AWS* | [Source](#)

Feb 2025 – Mar 2025

- Designed a responsive food ordering platform using React.js, TailwindCSS, and Vite, improving multi-device usability by 30%.
- Implemented and deployed 10+ REST APIs using Node.js and Express.js, reducing average load time by 25% and enabling real-time order tracking.

Disastor Aid Connect | *Python, Lambda, RESTAPI, AWS* | [Source](#)

Apr 2025 – May 2025

- Built and deployed a fully serverless disaster-relief web app using AWS S3, API Gateway, Lambda (Python), and DynamoDB, enabling real-time resource sharing with 99.9% uptime and handling 10K+ records at millisecond query speeds.
- Optimized front-end delivery via static hosting on Amazon S3 with responsive HTML/CSS/JS, reducing load times by 35%, while designing secure REST APIs with CORS, IAM roles, and auto-scaling Lambda functions for 5K+ daily requests.

TECHNICAL SKILLS

Programming Languages & Databases: Python, Java, SQL

Version Control: Git, GitHub

Cloud & DevOps: AWS (EC2, S3, Lambda, DynamoDB), Oracle DevOps, CI/CD

Web Technologies: HTML, CSS, JavaScript

LICENSES AND CERTIFICATIONS | [LINK](#)

- AWS Certified Cloud Practitioner | [Verify](#)
- Machine Learning Specialization by Stanford University | [Certificate](#)