

DIVYA SRI BEVARA

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SUMMARY

Software Engineer with experience building scalable web applications using Node.js, Express, RESTful APIs, and JavaScript. Skilled in CI/CD, JWT authentication, WebSockets, and deployment using GitHub Actions, Render, and Vercel. Focused on delivering clean, secure, and production-ready code that solves real business needs.

SKILLS AND CERTIFICATIONS

Programming Languages	Python (Pandas, NumPy, Scikit-learn), JavaScript (ES6+), TypeScript, C, Bash
Frameworks	Express.js, Flask, FastAPI, Django
Web Development	RESTful APIs, JWT Auth, WebSockets, HTML5, CSS3, Bootstrap, EJS
Databases	PostgreSQL, MySQL, MongoDB, Redis
Version Control	Git, GitHub, GitHub Actions (CI/CD), Branching, PRs
Software Engineering	OOP, MVC, System Design, Design Patterns, Unit Testing, Agile (Scrum)
Tools	VS Code, Postman, Jupyter Notebook, Webpack, Linux Terminal, .env Configs
Certifications	AWS Cloud Practitioner, Python (Univ. of Michigan), Backend Development (Coursera)

EXPERIENCE

Data Analyst Intern, Cadential Technologies, Bangalore, India

June 2022 – July 2023

- Built and evaluated logistic regression and random forest models using Scikit-learn on 85,000+ records for churn prediction; tuned with GridSearchCV, achieved 91% accuracy and 0.89 AUC, and integrated outputs into SQL-based ETL pipelines and Tableau dashboards.
- Performed EDA and feature engineering using Pandas; handled data cleaning, normalization, label encoding, imputation, and outlier treatment. Visualized distributions and correlations using Seaborn and Matplotlib to guide model selection and refinement.
- Automated Excel-based reports with pivot tables and formulas; created interactive Tableau dashboards to track KPIs, reducing manual reporting by 65% and improving stakeholder decision-making efficiency.

PROJECTS

JOB APPLICATION TRACKER WEB APP | *Full-Stack Developer*

- Developed secure RESTful APIs using Express.js with centralized validation, route-level access control, and JWT-based auth with refresh-token logic. Deployed backend to Render with CI/CD via GitHub Actions and managed secrets using .env.
- Built modular React components (AddJobModal, EditJobModal) with hooks, controlled forms, and context-based state management. Deployed frontend to Vercel using custom Webpack builds.
- Applied type-safe interface design using shared TypeScript DTOs (Job, Category, User) to prevent runtime type mismatches and ensure frontend-backend consistency.

REAL-TIME MESSAGING PLATFORM | *Backend Engineer*

- Built a Node.js backend using Socket.IO for real-time bi-directional communication with rooms and namespaced channels. Used Redis as a message broker to enable pub-sub logic and horizontal scaling across distributed instances.
- Designed modular Express.js APIs for onboarding, session, and room management, fully decoupled from socket logic. Integrated JWT auth to secure both HTTP and WebSocket requests.
- Achieved 50ms message latency with 50+ concurrent users through optimized socket routing and Redis caching. Deployed app via GitHub Actions to Netlify (frontend) and Render (backend) with secure .env configurations.

EDUCATION

Master of Science in Computer Science, University of North Texas

2023 - 2025

Bachelor of Technology in CSE, Anil Neerukonda Institute of Technology and Sciences

2019 - 2023