BALAJI THOTA

Savage, MN | balaji.us73@gmail.com | +1(929)-562-9036 | **Portfolio** | **Linkedin** | **Github**

PROFESSIONAL SUMMARY

Full-Stack Developer with expertise in building scalable web applications, optimizing system performance, and securing RESTful APIs. Proficient in Python, JavaScript, SQL, Flask, Django, and React.js. Experienced in cloud platforms, Agile development, and CI/CD pipelines for automated deployments. Passionate about delivering efficient, high-performance solutions for enterprise applications.

TECHNICAL & INTERPERSONAL SKILLS

Programming & Frameworks: Python, JavaScript, Node.js, Flask, Django, React.js, HTML5, CSS3, Bootstrap, GraphQL

Databases & Cloud: MySQL, PostgreSQL, MongoDB, SQLite, Terraform, Helm AWS, Docker, Kubernetes

Development Tools: Git, GitHub Actions, VS Code, RESTful APIs, WebSockets, CI/CD, Jira

Soft Skills: Teamwork, Communication, Time Management, Problem-Solving, Adaptability

EDUCATION

State University of New York (Utica, NY) - MS in Computer Science   Jan 2023 – Dec 2024

Coursework: Data Science, Algorithms & Complexity, OS, Database Systems, SE, Distributed Computing   GPA: 3.44/4.0

EXPERIENCE

Full Stack Developer, Daikin Applied Americas - Plymouth, MN   Dec 2024 – Present

- Built a scalable fraud detection system using Python, Django, microservices, REST APIs, and GraphQL.
- Designed a responsive real-time dashboard with React.js, Redux for state management and styled with Tailwind CSS and Bootstrap.
- Deployed on AWS using Docker, Kubernetes, Terraform, Lambda, Ansible, and Helm for automation and scaling.
- Secured data with JWT, OAuth2, RBAC and monitored system health via Prometheus, Grafana, Splunk, and Dynatrace.
  Tech Stack: Python, React.js, Django, REST APIs, AWS, Docker, K8s, MongoDB, GraphQL, OAuth2, Terraform, CI/CD.

Full Stack Web Developer, ELECTRUM INDIA PVT LTD - Hyderabad, India   May 2020 – Nov 2022

- Developed & optimized real-time IoT web apps using Django, React & PostgreSQL, reducing latency and improving system efficiency.
- Designed secure RESTful APIs and real-time data pipelines, contributing to analytics dashboards and scalable reporting features.
- Automated CI/CD pipelines with GitHub Actions and Docker, streamlining deployment processes and reducing release time.
- Participated in Agile sprints, optimized SQL queries, enhanced API security, and supported backend performance improvements.
  Tech Stack: Python, Java, Flask, Django, MySQL, PostgreSQL, Docker, Kubernetes, SQL Optimization, Linux, JSON.

PROJECTS

Thota Motors – Web Application | React.js, JSX | [Website](#) | [GitHub](#)   Present 2025

- Developed a responsive website for a family business, integrating front-end technologies. Planned back-end integration with Django and a database for employee authentication and role management.

Extending Forward-Forward Algorithm | ML, Optimization | [GitHub](#)   Nov 2024

- Enhanced the Forward-Forward algorithm for complex datasets by improving efficiency and exploring alternative learning techniques beyond backpropagation.

Orgdb Database Management System | MySQL, Python | [GitHub](#)   Apr 2024

- Designed a role-based access control database system for efficient data management, implementing secure authentication and user privilege management.

Image Captioning | Python, PyTorch | [OneDrive](#)   Feb 2024

- Developed an LSTM-based image captioning model generating human-like captions using the Flickr-8k dataset. Integrated GloVe for context-aware captions, improving accessibility and retrieval.

For additional projects and details, visit: [GitHub Portfolio](#)

CERTIFICATIONS

- **Python for Everybody Specialization, Web Design for Everybody** | University of Michigan, Coursera
- **Front-End Developer, Back-End Developer** (In Progress) | Meta, Coursera
- **Amazon EC2 Basics, RDS Primer, Fundamentals** (In Progress)| AWS, Coursera