

Shashank Reddy Boyapally

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EDUCATION and ACADEMIC QUALIFICATIONS

University of Florida, Gainesville, Florida, USA.

Aug '22 – Dec '23

Master of Science, Computer Science. **CGPA: 4.0/4.0**

Jawaharlal Nehru Technological University College of Engineering Hyderabad, Hyderabad, India.

Aug '18 – Jun '22

Bachelor of Technology, Computer Science & Engineering, **CGPA: 8.58/10 or 3.9/4**

TECHNICAL SKILLS

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|--------------------------|--------------|---------|-------------|------------|--------------|------------|-----------|-----------|
| Web Dev & DB: | React Native | ReactJS | Spring Boot | Django | Flask | MySQL | MongoDB | Firebase |
| Cloud: | AWS | Kafka | Kubernetes | Docker | Terraform | Jenkins | OpenShift | Cron Jobs |
| ML & Mobile: | TensorFlow | OpenCV | CNN | RNN | GenerativeAI | Langchain | Android | Flutter |
| Tools: | Git & GitHub | Bamboo | Postman | Octopus | Viper | JIRA | REST API | CI/CD |
| Languages: | Python | Java | Golang | TypeScript | Erlang | JavaScript | C&C++ | HTML&CSS |

WORK EXPERIENCE and INTERNSHIPS

Red Hat Inc. - OpenShift PerfScale Engineering, Raleigh, USA.

Jun '23 – Aug '23

Software Engineer Intern

- Achieved **precision of 1ms** in measuring P99 and P50 latency metrics for deployed workloads by enhancing Kube-burner. Leveraged the client-go library of **Kubernetes**.
- Leveraged **Flask and Cron** in the backend, along with **TypeScript and ReactJS** in the frontend to develop a **GPT**-based chatbot.
- Used **langchain** framework to intelligently index up to 1k organizational documents, enhancing knowledge accessibility.
- Achieved an impressive **95%** coverage by spearheading testing of essential go-commons and kube-burner libraries. Seamlessly employed **Go-mock** for dependency mocking, while leveraging **Ginkgo and Go-mega** for testing efficiency

Honeywell Technological Solutions - Aero Division, Hyderabad.

Mar '22 – May '22

Software Engineer Intern

- Single-handedly completed the migration of the Billing and subscription service from Internet Explorer to Chromium-based browsers in just **60 days**, ensuring security before IE's deprecation.
- Utilized **struts framework** along with **JSP**. Saved up **165 hours** per month of work done by AMRs. Boosted efficiency.

Honeywell Connected Enterprises – SRE Division, Bangalore.

Apr '21 – Jun '21

Software Engineer Intern

- Reduced task time from **60 to 5 minutes** and improved efficiency by **80%** in an Agile environment by developing an automated testing environment using Octopus and Protractor.
- Leveraged **ReactJS** in the Front-end and **Django** for backend along with usage of **Microsoft Azure PostgresDB** and Storage.

KPMG International, WFH.

Apr '20 – May '20

Data Analytics Virtual Intern

- Using **Tableau and Power BI**, performed data transformations, feature engineering, and modeling to discover **40%** more potential customers based on demographics and transaction history during dataset assessment.

CERTIFICATIONS and AWARDS

- AWS Certified Solutions Architect Associate**, Oct '23.
- Google Cloud Program**, Dec '20.
- Academic Achievement Award**, University of Florida.

PROJECTS

Finance Tips Bot | *Python, PRAW, beautifulsoup, OpenAI, SMTP, Cron, langchain, AWS.*

Jun '23 – Present

- Develop a real-time bot, scraping data from the subreddit r/wallstreetbets, employed PRAW library for efficient data gathering. Used OpenAI API in integration with langchain to summarize collected data. Leveraged SMTP and Cron for daily feed.

Pedestrian Jaywalking Detector | *TensorFlow, OpenCV, mediapipe, YOLOv3, dlib, MySQL, Twilio.*

Mar '22 – May '22

- Identify pedestrians jaywalking at traffic signals exercising mediapipe, identify faces with facial structure and map identified violators with Aadhar Database (Govt. of India Database for citizens). A fine is levied after mapping on the violator. The violator is also notified through email and SMS through Twilio. Achieved up to 91% accuracy on sample size of 86 students.

COVID-19 Help Desk | *ReactJS, Material UI and other various libraries, Firebase, React Native.*

Mar '21 – May '21

- Contribute information about availability of beds and various medications available in each hospital for citizens, along with filters based on location of user during the severe second wave of COVID-19. Co-ordinated and led the team.

PUBLICATIONS and PRESENTATIONS

- Published a research article** *Comparative Analysis of Different Pre-trained Deep Learning Models for Brain Tumour Detection*.
- Secured Second position** in paper presentation on in a state-level conference conducted by Computer Society of India. (Dec '20)