**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.
* **Academic Achievement Award**, University of Florida.
* **Google Cloud Program**, Dec '20.

**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 informationabout 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*](http://www.gjstx-e.cn/gallery/71-sep2021.pdf) *Detection*.
* **Secured** **Second position** in paper presentation on in a state-level conference conducted by Computer Society of India. (Dec '20)