Pavan Vanjre Ravindranath

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EDUCATION

Master of Science in Computer Science, **GPA: 3.80** | UNC Charlotte   2 years | **August 2023 – May 2025**
Coursework: Data Structure and Algorithms Design, Databases System, Computer Networks, Software Design and Implementation

Bachelor of Engineering in Computer Science | Siddaganga Institute of Technology   4 years | **August 2016 – May 2020**
Coursework: Advanced Data Structure, Java, Operating System, Machine Learning, Object Oriented Model Design, Intro to Data Science

WORK EXPERIENCE

Automation Developer Intern | Apex Analytix   3 Months | **May 2024 – August 2024**
Skills used: Docker, Kubernetes, Azure DevOps, UiPath
- Built a **CI/CD pipeline** with Azure DevOps, reducing deployment time by **40%** via automated containerization and **Kubernetes**
- Designed and developed an **automation bot** using UiPath for scheduling meetings, reducing manual overhead by **20%**
- Modernized a legacy project by **containerizing** it and deploying it on a **Kubernetes** cluster, improving scalability

Software Engineer II | HashedIn by Deloitte   1 Year | **August 2022 – August 2023**
Skills used: React Native, NextJS, GraphQL, Python
- Led Agile sprints, improving project delivery speed by **20%** while maintaining a high standard of code quality and client satisfaction
- Analyzed Amplitude logs, identifying user drop-off points, implemented innovative solutions that increased engagement by **15%**
- **Developed a proof of concept** to consolidate payment information from multiple iFrames into a single page
- **Optimized data retrieval processes**, improving user experience and reducing retrieval time by **15%**
- Implemented fingerprint and Proof-of-Address capture feature to enhance eKYC accuracy and streamline onboarding compliance

Software Engineer I | HashedIn by Deloitte   22 months | **October 2020 – July 2022**
Skills used: ReactJS, Redux, Formik, TypeScript, Java, AWS, Gulp
- Optimized how the application managed its database, reducing query times by **40%** and decreasing server load by **25%**
- Collaborated with design team on Figma to elevate the application's **UI/UX**, achieving significant enhancements in user experience
- Designed a **custom sorting algorithm** to efficiently process large, unstructured datasets, improving data processing speed by **30%**
- Developed RESTful APIs, ensuring seamless data formatting and integration across distributed computing environments
- Designed a multi-language content display system tailored to user country, improving content management and user experience
- Built Gulp tasks to auto-lint TypeScript with ESLint and Prettier, reducing lint errors by **70%** and improving code consistency

Software Engineer Intern | HashedIn by Deloitte   8 months | **February 2020– September 2020**
Skills used: HTML5, CSS3, JavaScript, ReactJS, PostgreSQL, Flask, AWS, SASS
- Developed unit test cases for React components using Jest, increasing test coverage by **45%** and reducing defects by **20%**
- Created a custom CSS library to standardize styling, enhancing design consistency and cutting development time by **15%**

TECHNICAL SKILLS

- **Programming Languages:** C, C++, JavaScript (ES6+), TypeScript, Java, Python
- **Front-end Development:** Angular, ReactJS, React Native, NextJS, Tailwind CSS, GraphQL, Redux, HTML, CSS, SASS
- **Back-end & Databases:** Django, Flask, NodeJS, MySQL, PostgreSQL, MongoDB, OracleDB, Redis
- **Cloud Platforms and Tools:** Amazon Web Services, EC2, S3, ECS, CloudWatch, Lamba, Jenkins, Linux, Docker, Kubernetes
- **Software/Tools:** Jira, Firebase, Gulp, IntelliJ, Postman, Figma, Wireframe, Invision, Microsoft Office Suites, Git

CERTIFICATIONS

- **AWS Certified Developer - Associate** | Issued by: AWS | Credential   **Oct 2024 – Oct 2027**
- **AWS Academy Data Engineering** | Issued by: AWS | Credential   **Dec 2024 – Dec 2027**

PROJECTS

Transhipment Tracking System
Technologies/Tools used: Python, ReactJS, Google Firebase
- Developed a **web application** to track goods, offering user-friendly login/signup functionality
- Led a team of 4 to build an interactive dashboard with dynamic content updates and detailed insights
- Designed and implemented visually engaging charts to improve data visualization, enhancing user engagement

Crop prediction System
Technologies/Tools used: Python, Pandas, TensorFlow, Keras
- Developed a **Machine Learning** based web app to recommend optimal crops based on soil, nutrients, and environmental factors
- Built and trained an ML model using **Decision Trees** on over 3,000 data samples, achieving an accuracy of **92%** in predicting suitable crops and providing data-driven insights