Abhijit Hanumeswara Kulkarni

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EDUCATION

University of Southern California *Los Angeles, CA, USA*

MS in Computer Science *Aug 2024 - Current*

- **Courses:** CSCI-570: Analysis of Algorithms, CSCI-576: Multimedia Systems Design

BMS College of Engineering *Bangalore, Karnataka, India*

BE in Computer Science and Engineering *Jun 2016 - Sep 2020*

- Graduated with a CGPA og 9.21 on a scale of 10.

WORK EXPERIENCE

Morgan Stanley *Bangalore, Karnataka, India*

Senior Software Engineer *Jun 2021 - Jul 2024*

- Boosted the revenue by 70% by visualising data using High-Charts, which helped the users to analyze the screen more efficiently.
- Drove user growth by introducing features such as React Tour, Redux State Management, Recent Searches, and Theme Switch, resulting in an 80% more effective on-boarding process.
- Enhanced code re-usability by developing React and Stencil Reusable Web Components which reduced the overall development time by 90%.
- Implemented JUnit test case coverage and achieved a coverage > 80% on multiple Web Applications which led to reduction in bugs by half.
- Enhanced authorization protocols and exception handling in existing projects, strengthening security measures of APIs and mitigating potential threats, resulting in a 70% reduction in security vulnerabilities across critical endpoints.
- Led and Managed a part of the project by reaching out to Stakeholders and coming up with Roadmap which improved team efficiency by 200%.

Morgan Stanley *Bangalore, Karnataka, India*

Software Engineer *Jul 2020 - Jun 2021*

- Introduced micro front end architecture by developing a Web container and respective widget applications using ReactJS, Context API, REST APIs, Pub-Sub Messaging Model, AG Grid and Shadow DOM which imrpoved user experience by 90%.
- Analyzed different CSS Approaches like Bootstrap, Styled Classes and Tailwind which helped in reducing the development time by 50%
- Increased user efficiency by 50% with the help of tile layout using React Grid Layout.
- Implemented features such as Save View and User Preferences with MongoDB, Java, and Spring Boot, which cut user effort by 50%.

Juspay Technologies *Bangalore, Karnataka, India*

Software Engineer Intern *Jan 2020 - Jun 2020*

- Developed a single sign-on solution for a web application using Haskell and JavaScript, which resulted in a 20% increase in the user base.
- Optimized web app performance by integrating MongoDB and a Node.js server for user information storage, reducing the total time for REST API calls by 80%.

ACADEMIC PROJECTS

Cover Craft v1.1 *Los Angeles, CA, USA*

Master's Student *May 2024 - Jul 2024*

- Engineered an automated cover letter generator using Selenium to scrape LinkedIn job details, leveraging generative AI to create tailored, editable cover letters.
- Architected a full-stack solution with Flask and React, reducing the application process by 86% and serving a user base of 30 people..
- **Technical Skills:** Python, Gen AI, Flask, React, Typescript, HTML5/CSS.

Smart College Navigation App (SCNA) *Bangalore, Karnataka, India*

BMS College of Engineering *Jan 2020 - Jul 2020*

- Designed a smart navigation app that integrates image processing with Google Maps to navigate users around the campus, decreasing their effort by 90%.
- Created a custom image processing tool that integrated seamlessly with existing navigation systems, reducing route calculation time by 80%, which contributed to a more streamlined delivery schedule and improved service reliability.
- **Technical Skills:** Java, Tensorflow, Android Studio.

Technical Skills

Programming	HTML5/CSS, Javascript/Typescript (ES6), Python, Java
Frameworks and Libraries:	React, Webpack, Redux, AgGrid, Highcharts, React Tour, Tailwind CSS, Bootstrap, Java, Spring Boot, OpenCV, Tensorflow, Django, Flask
Databases and CI/CD Tools:	MongoDB, Postgres, Git, Docker, Jenkins.