

Abhijit Hanumeswara Kulkarni

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EDUCATION

University of Southern California

MS in Computer Science

Los Angeles, CA, USA

Aug 2024 - Current

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

BMS College of Engineering

BE in Computer Science and Engineering

Bangalore, Karnataka, India

Jun 2016 - Sep 2020

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

WORK EXPERIENCE

Accolite Digital / Morgan Stanley

Senior Software Engineer / Technical Consultant

Bangalore, Karnataka, India

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.
- Increased the number of users by introducing features like React Tour, Redux State Management, Recent Searches, User Preferences, Theme Switch which improved the onboarding process by 80%.
- Enhanced code reusability by developing React and Stencil Reusable Web Components which reduced the overall development time by 50%.
- Implemented JUnit test case coverage and achieved a coverage > 80% on multiple Web Applications which led to reduction in bugs by half.
- Improved Authorization and Exception handling in existing projects to secure endpoints which reduced the security threats of API's by 50%.
- Led and Managed a part of the project by reaching out to Stakeholders and coming up with Roadmaps which improved team efficiency by 200%.

Accolite Digital / Morgan Stanley

Software Engineer / Technical Consultant

Bangalore, Karnataka, India

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.
- 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.

Accolite Digital / Juspay Technologies

Software Engineer Intern

Bangalore, Karnataka, India

Jan 2020 - Jun 2020

- Worked on developing UI using Haskell and Javascript.
- Expanded my knowledge on Agile methodologies.

ACADEMIC PROJECTS

Smart College Navigation App (SCNA)

BMS College of Engineering

Bangalore, Karnataka, India

Jan 2020 - Jul 2020

- One of the major problems for the visitors coming to the college is navigating around the campus.
- To tackle this problem we created a smart navigation app that utilizes the power of Image processing and Google maps to smartly navigate people around the campus and thus lessening their effort by 50%.
- This app utilizes the phone camera and its hardware to process images and identify the floors the event is happening and derives the optimal route possible to the destination with accurate directions hence lowering the time taken by almost 80%.
- **Technical Skills:** Java, Tensorflow, Android Studio.

Object Detection and Identification System (ODIS)

BMS College of Engineering

Bangalore, Karnataka, India

Jul 2019 - Jan 2020

- Object detection and Identification System also known as ODIS is an autonomous bot created to reduce manpower need in Surveillance.
- This bot revolves around the place that needs surveillance and rushes to the position wherever detects any motion and uses AI trained models to identify humans and clicks the pictures, which are further notified to respective owners.
- Thus reducing the overall human effort almost to 0%.
- **Technical Skills:** Python, OpenCV, Tensorflow, Django, HTML and CSS, Computer Networks, IoT.

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

Databases and CI/CD Tools: MongoDB, Postgres, Git, Docker, Jenkins.