

# BHAVANA PABBA

Full Stack Developer

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| <https://github.com/PabbaBhavana> | Portfolio: <https://pabbabhavana.github.io/myportfolio/>

## PROFESSIONAL SUMMARY

Experienced Software developer with 2 years in web and application development, I excel in analytical programming using Python, HTML, CSS, JavaScript, and ReactJS. My skills encompass the complete software development lifecycle, from sculpting scalable platforms and leveraging object-oriented programming to crafting robust database designs and embracing agile methodologies.

## TECHNICAL SKILLS

<b>Programming Languages:</b>	Python, C, C++, Java
<b>Databases:</b>	RDBMS, SQL, MySQL, and MongoDB
<b>Web Technologies/Frameworks:</b>	HTML, CSS, JavaScript, ReactJS, Angular, Django and NodeJS
<b>Tools/IDE's:</b>	Visual Studio, GIT
<b>Operating Systems:</b>	Windows, Linux, Ubuntu

## PROFESSIONAL EXPERIENCE

### Full-Stack Developer | Tait Consulting Group LLC

Feb 2023 – Present

- Orchestrated the back-end implementation of REST APIs using Python and the Django framework, driving enhanced data connectivity and fortifying application reliability.
- Lead the development of applications based on RESTful architecture with Node.js as the backend language, working towards a projected 25% reduction in API response times.
- Designed, developed, and deployed web applications, emphasizing cohesive web design, utilizing a comprehensive technology stack including Python, Django, XML, CSS, HTML, JavaScript, AngularJS, and Bootstrap.
- Leveraged the Redux pattern to ensure data consistency across components, contributing to the creation of a scalable application architecture that can effortlessly handle multiple requests per day.
- Demonstrated commitment to code quality by executing tests on Python programs and diverse code segments using the Unit Test Python library, resulting in a robust and fault-tolerant software foundation.
- Devised and executed Python scripts to efficiently parse and load JSON documents into the database, optimizing data processing and retrieval for improved application performance.
- Integrated MySQL and Django to develop a distributed worker framework, effectively managing concurrent tasks and increasing application throughput by 40%.

### Software Developer | California State University – Long Beach

Jan 2022 – Jan 2023

- Integrated Google Firebase Database and Authentication into the university's software applications using Node.js, ensuring secure data storage and streamlining user login/signup workflows. This integration led to a 20% boost in user participation and data retrieval.
- Proficiently optimized rendering performance, efficiently handling large data sets on application views using React.js, resulting in a 30% reduction in rendering time and a smoother user experience.
- Engineered a robust paging system on various screens, leading to decrease in loading times and virtually eliminating browser crashes, thereby enhancing overall user satisfaction.
- Innovatively designed and implemented new web features using React.js, resulting in an increase in user engagement and positive feedback from users.
- Actively advanced skills in unit testing by learning Jest, contributing to the team's endeavor to improve code quality, with an expected increase of test coverage by 20% and a projected 30% reduction in post-release defects.

### Full-Stack Developer (Intern) | Berkadia Service Pvt Ltd – India

June 2020 – Dec 2020

- Utilized .NET MVC to develop HTML5 capabilities, such as local storage, data attributes, and sliders, thereby enhancing functionality and user engagement.
- Engineered a single-page application using AngularJS, which enhanced user experience and facilitated smooth navigation for users.
- Executed comprehensive form validation by implementing Validation Controls and customized JavaScript controls.
- Developed a web application using the Ruby on Rails framework, implementing RESTful APIs and MVC architecture to create a scalable and maintainable application.

## EDUCATION

M.S: Computer Science	California State University – Long Beach	GPA:3.7/4.0	Dec – 2022
B. Tech: Computer Science	GITAM University – India	GPA:3.8/4.0	June – 2020

## PROJECTS

### Live Construction Management

Django, PyCharm, Python, SQLite, 3DES

- Designed a web hosting project using Django and used SQLite as backend which provide the details of construction such as progress bar, wages, and live cam status which holds transparency between the landowner and real-estate.
- Added a security level of 3DES so that the owner can upload the property documents and can see the live status of construction.

### Personet: Friend Recommendation Systems

Java, MYSQL, HTML, CSS, JS

- Based on Big Five personality traits and hybrid filtering.
- Evaluated FRS based on some personality traits model and hybrid filtering, in which the friend recommended process is based on Personality traits and users' harmony rating.

## CERTIFICATIONS

- Python Certification – Issued by Microsoft (MTA-98-381)
- Full Stack Development Certification – Issued by FreeCodeCamp