

Pasula Sai Teja

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Profile

Recent BTech Computer Science Engineering graduate proficient in Java and SQL, seeking an entry-level software engineering role. Passionate about developing innovative solutions and eager to apply technical skills in a challenging environment. Proven ability to learn quickly and collaborate effectively within teams.

Education

BTech in Computer Science and Engineering, Guru Nanak Institute of Technology	2020 – 2024 Hyderabad, India
Telangana State Board of Intermediate Education MPC, Akshara Junior College	2018 – 2020 Hyderabad, India
Telangana State Board of Secondary Education, Brilliant Grammar High School	2016 – 2017 Ibrahimpatnam, Hyderabad, India

Projects

Outsourced Encrypted Medical Images, A Quick Nearest Neighbour Search Scheme, (Java)

Developed a secure and efficient cloud-based system using Java to retrieve nearest neighbor medical images from encrypted data. This project addressed the challenge of balancing data security with efficient retrieval in remote server environments. The implemented algorithm [mention specific algorithm used, e.g., Locality Sensitive Hashing] achieved a [quantify improvement, e.g., 15%] improvement in retrieval speed compared to traditional methods while maintaining strong encryption. Future work involves collaborating with a healthcare organization to develop and deploy a prototype for real-world application. [Optional: Briefly mention any specific libraries or technologies used, e.g., cryptographic libraries, cloud platforms].

Fast Fitness, (Mobile Application Development)

Designed and developed "Fast Fitness," a mobile application using Java aimed at revolutionizing personalized fitness tracking. This app addresses the challenge of fragmented fitness data by consolidating workout tracking, nutrition logging, and sleep monitoring into a single, user-friendly platform. Key features include [list 2-3 key features, e.g., personalized workout plans, calorie tracking, progress visualization]. [Optional: If you have any metrics from user testing or beta release, include them here. For example: "Beta testing showed a 20% increase in user engagement compared to similar fitness apps"]. [Optional: Mention any specific technologies used, e.g., Android SDK, specific database].

Skills

Technical Skills

- **Programming Languages:** Java , SQL
- **Web Development:** HTML, CSS, JavaScript
- **Software Development:** Object-Oriented Programming (OOP), Data Structures, Algorithms
- **Database Management:** SQL, Database Design

Professional Skills

- **Project Management:** Project Planning, Event Coordination, Team Leadership
- **Communication:** Verbal Communication, Written Communication, Presentation Skills
- **Teamwork:** Collaboration, Group Project Contribution

Summary

Highly Motivated Computer Science Engineering graduate from Guru Nanak Institute of Technology (Hyderabad) with a 6.5 GPA, possessing a strong foundation in software development and a passion for creating innovative solutions. Proven ability to design and implement efficient algorithms using Java and SQL, demonstrated through projects like "Outsourced Encrypted Medical Images," a secure and efficient scheme for locating nearest neighbors over encrypted medical images in the cloud. Further experience in mobile application development with "Fast Fitness," a pioneering solution for personalized fitness tracking. Adept at web development using HTML, CSS, and JavaScript, enabling the creation of responsive and user-friendly interfaces. Eager to leverage technical expertise and contribute to a challenging and rewarding professional environment.