

Palak Dwivedi

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EDUCATION

- **Vellore Institute Of Technology** (July, 2022 - ongoing)
Bachelor of Technology in Computer Science and Engineering | CGPA: 8.11

Skills

- **Technical Skills:** Java, SQL, HTML,CSS, React, Tailwind CSS, BootStrap.
- **Cloud Skills:** Amazon Web Services(AWS).
- **Version Control:** Git, GitHub.

Projects

TradeUp, ReactJS (September, 2025-Present)

- Built a frontend of a trading platform using ReactJS, delivering a responsive and intuitive UI with modular, reusable components.
- Optimized rendering and state management(React Hooks,Context APIs), reducing page load times by 25% and improving overall performance.
- Currently extending to a full-stack solution by integrating REST APIs, authentication and database connectivity.

VIT News Portal, HTML,CSS, JavaScript, SQL, Nodejs, React (March, 2024)

- Developed a centralized news and events portal in MERN Stack, used by 150+ students, boosting event participation by 30%.
- Designed modular event management features with filtering and categorization, accelerating event search by 30%.
- Constructed RESTful APIs with Node.js/Express to serve real-time event data to React components, processing 10,000+ requests per minute with 99.9% uptime, ensuring data reliability.
- Optimized React components with efficient state management, reducing page load time by 25%.
- Led code reviews and debugging sessions, enhancing maintainability and reducing defects by 15%.
- Delivered 4 engaging technical presentations to peers on React component optimization and Firebase integration, boosting team knowledge and reducing related support requests by 10%.

Community Resource Locator , Java, Firebase, XML , [GitHub Repository](#) (April, 2025)

- Designed a mobile front-end interface using Java and XML, reducing community search time by 40%.
- Spearheaded Firebase integration with Google Maps API, enabling real-time location updates and enabled location-based push notifications; which resulted in a 10% increase in user interaction.
- Engineered advanced search, filtering, and data presentation modules, improving resource access speed by 35% .
- Refactored front-end components for cross-platform compatibility, ensuring smooth performance for 1000+ active users.
- Implemented robust error handling and validation, reducing app crash frequency by 20%.
- Developed a real-time data management system using Firebase, which improved data retrieval speeds by 50% and enabled the team to respond to customer inquiries in less than 2 minutes.

Certifications

- AWS Certified Cloud Practitioner, AWS (March, 2025)

Extracurricular

- **Secretary**, Mharo Rajasthan Club - VIT Bhopal. (April, 2024 – April, 2025)
Coordinated 3+ cultural events with 600+ attendees, driving a 25% increase in student engagement.
- **PR team Lead**, VITronix Club - VIT Bhopal . (August, 2024 – April, 2025)
Led PR efforts for multiple VITronix events, attracting 500+ participants and strengthening community outreach.
- **State Badminton Player**, Rajasthan . (July 2023)
Represented Udaipur at state-level badminton championships competing against 50+ ranked players.

Additional Information

- Enhanced data structure and algorithm knowledge by solving 300+ LeetCode problems, leading to faster algorithm design and a reduction in debugging time by 3 hours weekly
- Selected as Contributor for Social Summer Of Code 2025, and mentor for GirlScript Summer Of Code 2025.
- Contributed 1000+ inputs in translation and image labeling on Google Crowdsource, reaching level 18.