

Palak Dwivedi

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EDUCATION

- **VIT Bhopal University** (October, 2022 - Present)
Bachelor of Technology in CSE(Cloud Computing and Automation) | CGPA: 8.11
- **St. Matthews Sr. Sec. School, Udaipur** (July, 2022)
Higher Secondary | Percentage:76.4%

Skills

- **Technical Skills:** Java, MySql, HTML /CSS, MERN Stack, Tailwind CSS, BootStrap.
- **Cloud Skills:** Amazon Web Services(AWS), Google Cloud Platform(GCP), Docker.
- **Version Control:** Git, GitHub.

Projects

- Community Resource Locator** | Java, Firebase, XML | [GitHub Repository](#) (April, 2025)
- Designed and deployed 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.

- 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%.

Certifications

- AWS Certified Cloud Practitioner, AWS | [View Credentials](#) (March, 2025)
- AWS Solutions Architect Internship Program, Ethnus | (April, 2025)
- Bits and Bytes of Computer Networking, Coursera | (January, 2024)

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

- Achieved 3-star rating in Java and SQL on Hacker Rank.
- 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 Crowdsourcing, reaching level 18.