

PRANAV CHATURVEDI

☎ [+91-7827804030](tel:+91-7827804030) ✉ [Email](#) [LinkedIn](#) [Github](#) [Portfolio](#)

Experience

Accenture [↗](#)

10 2024 – 05 2025

Associate Software Engineer

Gurugram

- Developed a real-time chatbot that automatically shortens URLs exceeding 50 characters, enhancing message readability and user experience in conversations.
- Implemented real-time message processing using WebSockets to intercept incoming messages instantly and apply dynamic URL shortening logic.
- Enabled users to retrieve original URLs using command-based inputs and integrated APIs to access previous chat history for contextual responses.
- Built a fault-tolerant delivery system with acknowledgment tracking and retry logic to ensure reliable message delivery despite client-side network instability.

Palo Alto—AICTE [↗](#)

09 2023 – 11 2023

Cyber Security Internship

Virtual

- Utilized Linux-based tools including Wireshark, Burp Suite, Metasploit, Netcat etc. to identify, analyze and exploit vulnerabilities based on the OWASP Top 10 security risks.
- Investigated and exploited common web application vulnerabilities, including SQL Injection, XSS, File Upload, CSRF, and Security Misconfigurations.

TECHNICAL SKILLS

Languages: Java, JavaScript, SQL, Pl/SQL, NoSQL, HTML, CSS, Bootstrap, Bash, TypeScript
Developer Tools: Postman, Git, Github, Linux, Docker, OAuth2, Websockets, Webhooks, Rest APIs
Frameworks: React.js, Next.js, Three.js, Node.js, Express.js
Databases: MySQL, MondoDB, Firebase, Oracle
Cloud: AWS Services (EC2, S3, VPC, CloudFront), Apex
Libraries: Axios, ShadeCN, Material UI, Tailwind CSS, Bootstrap, Zustand, Redux, Loadash
DEVOPS-IaC: Terraform, GitHub Actions

EDUCATION

NIET

11 2020 – 06 2024

B.Tech - CGPA - 8.2

Gr. Noida, UP

PROJECTS

Devender [↗](#) | Js, ReactJs, NodeJs, MongoDB, Express.Js

02 2025

- **Designed and developed a scalable MERN stack web application enabling developers to create profiles, send/accept connection requests, and collaborate—implemented a microservices-based NodeJs backend with MongoDB for robust matchmaking and user management.**
- Built a secure authentication system using JWT, cookies, and bcryptjs for encrypted password management, protected routes with custom middleware, and implemented role-based access controls to safeguard user data and endpoints.
- Optimized backend performance and user feed logic through advanced MongoDB queries, compound indexing, and efficient pagination—excluding already connected or ignored users to deliver personalized and fast-loading suggestions.

Chat App [↗](#) | Js, ReactJs, NodeJs, MongoDB, ExpressJS

07 2024

- **Developed a real-time chat application with ReactJs frontend, Node.Js backend, and MongoDB as the primary data store.**
- Integrated WebSocket communication to enable real-time messaging between users with instant delivery and typing indicators
- Implemented features like message history, online presence tracking, and room-based conversations.

Blog Backend [↗](#) | Node.js, Express.js, MongoDB, AWS S3

04 2024

- **Built a scalable RESTful backend for a blog application using Node.js and Express.js, enabling robust HTTP request handling and API endpoint management.**
- Implemented user authentication and role-based authorization using JWT (JSON Web Tokens) for secure access control, and bcrypt for password hashing to ensure data security.

- Employed express-validator for request validation to maintain data integrity and reduce vulnerability exposure through API inputs.

EzeAgro [🔗](#) | [ReactJS](#), [NodeJS](#), [ExpressJS](#), [Firebase](#)

12 2023

- **Engineered and prototyped advanced sensors** for soil moisture, temperature, and humidity; enabled **real-time wildfire detection**, cloud analytics, and wildlife deterrence, reducing response time by **50%**.

3D-Tshirt [🔗](#) | [React](#), [TailwindCSS](#), [ThreeJS](#)

03 2023

- About Project **Create your own style with our new 3D Swag Customization App. Pick colors, add logos, and try AI designs to make your virtual swag unique. Built using React.js, Three.js, and OpenAI to show the usage of a 3D world with AI.**

CERTIFICATIONS

- CEH v13
- Cybersecurity Analyst - IBM
- ReactJS - Infosys
- Network Security - Paloalto
- CCT - Ec Council
- OOPS Java - Coursera
- NodeJS with React & DB - Coursera
- CC - isc2
- Java Script - Coursera