# PRANAV CHATURVEDI

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## Experience

**Accenture** ↗                                                          **10 2024** − **Present**
*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
**Developer Tools:** Postman, Git, Github, Linux, Docker
**Technologies/Frameworks:** React.js, Three.js, Node.js, Express.js
**Databases:** MySQL, MondoDB, Firebase
**Cloud:** AWS Services (EC2, S3, VPC, CloudFront), Apex

## EDUCATION

**NIET**                                                                  **11 2020** − **06 2024**
*B.Tech - **CGPA** - **8.2***                                                            *Gr. Noida, UP*

## PROJECTS

**Chat App** ↗ | Js, ReactJs, NodeJs                                                      **07 2024**
- About project **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**
- About project **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**
- About project **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

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