

Ashish Poudel

Associate Software Engineer

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PROFESSIONAL EXPERIENCE

Associate Software Engineer

06/2022 – present | Bangalore, India

Wibmo, A PayU company

- Designed and Implemented Transaction Flow for Authentication of Rupay Cards.
- Dedicated to enhancing the success rate of e-commerce transactions on a daily basis, and to date, have contributed to an 8% improvement in success rates for clients.
- Engineered APIs to streamline data exchange between banks and the Access Control Server (ACS).
- Integrated ACS with bank switch APIs, enabling seamless customer data retrieval during transactions.
- Implemented Card Block Functionality for banks, enabling card blocking at the ACS after multiple incorrect OTP entries.
- Designed and Implemented ATM PIN Based Authentication Flow for Card Not Present (CNP) Transactions.

Web Application Developer Intern

11/2020 – 01/2021 | Remote

Andy Infosec

- Designed and Developed Jeopardy Capture The Flag (CTF).
- Integrated all ten OWASP vulnerabilities in a web application.

EDUCATION

B.Tech. Computer Science and Engineering

2018 – 2022 | Vellore, India

Vellore Institute of Technology

- Graduated with 9.52 CGPA (Top 1% in Computer Science department).
- Awarded Merit Scholarship by Vellore Institute of Technology for outstanding academic performance in all four years of engineering.

High School

2015 – 2017 | Pokhara, Nepal

Gandaki Boarding School

- Scored 81% in 12th Board Examination conducted by Nepal Examination Board(NEB).

SKILLS

Java | Vert.x | React JS | Node JS | MySQL | MongoDB | Git and Github | Web Application Security
HTML | CSS | Kafka | Nginx | Docker | Linux

PROJECTS

Penetration Testing Lab

- Designed and developed a Cyber Security Learning platform using React JS, and Node JS.
- Integrated Fully functioning terminal in the web application using Xterm JS, node-pty, and Socket Programming.
- Dockerized all the lessons as well as challenges offered in the platform.

My Watchlist

- Developed movies/series watchlist app using React JS, TypeScript, and OMDB API.
- Integrated with YTS API and provided the torrent download functionality bypassing all the ads.

Parallelization of DES Algorithm using OpenMP

- Used the concepts of Parallel Computing and Cryptography and implemented parallelization of the DES Algorithm using Open MP.
- Graphically Presented the optimal number of threads to be used for DES parallelization for octa-core processors.

TECHNICAL BLOGS

Web Terminal with Xterm.JS, node-pty and web sockets 📄

- Explained on how to access fully functioning terminal from browser.