

UJJWAL TALWAR

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EDUCATION

B. TECH (Computer Science and Engineering) 7.71 CGPA
Amity School Of Engineering and Technology, Uttar Pradesh, India 2016-2020

WORK EXPERIENCE

Cisco Systems Bangalore, India
Software Engineer *Jan 2023 – Present*

- Worked on **LevelUp!** a firewall upgrade programme, built a web application to ensure smooth operation and satisfaction of all stakeholders. The tool is currently in production completing **100+ monthly upgrades**.
- Improved and added multiple accessibility features to the UI, integrated the tool with multiple external services to fetch new upgrade requests, worked on the internal logic, error handling and logging.
- Contributed to a hackathon as a **Tech Advisor** and **Panel Member** for UI/UX.
- Worked on a hackathon project that leverages RAG and LLM to automate the creation of a deliverable.
- Tools and Technologies: JavaScript, Python, MongoDB, React.js, Langchain

Consulting Engineer (Automation and Security) *Aug 2020 – Jan 2023*

- Automated and improved the quality of an existing service (Network Device Security Assessment) used for analyzing security aspects of customer networks. Mapped existing checks and best practices to MITRE ATT&CK framework and Cisco Security Control Framework.
- Enhanced customer delivery by automating workflow to decrease time taken by **~30%**.
- Developed and deployed a full-scale Learning Management System for a **National Forensic and Science University, India** that boarded **100+ students and 10+ faculty members**. This LMS system was recognized by the Hon'ble Home Minister of India. The LMS consisted of cyber security courses that allowed the participants to interact as a Red or Blue team.
- Lead the engagement of a MVP of a resource and workforce planning tool, to help the management improve their hiring and attrition process.
- Developed a modular Webex Bot to survey Cisco Customer Experience, which is being used by **200+ employees** to capture employee engagement.
- Tools and Technologies: JavaScript, Python, MySQL, React.js, Django, Flask, FastAPI, Celery, Webex API, Linux

Intern *Jan 2020 – Aug 2020*

- Built firewall health check documentation application, automated the collection and processing of device configurations.
- Tools and Technologies: Python, Django, Firepower API

PROJECTS

- **All-In-BVB (Demo) (GitHub)**
A responsive **MERN** stack application using **Tailwind CSS**, built for fans of the football club Borussia Dortmund, allows them to track the games and vote for the man of the match.
- **Square-Fit (Demo) (GitHub)**
Developed puzzles and games using ReactJS.

SKILLS AND CERTIFICATIONS

- Programming: JavaScript, Python, TypeScript
- Web Development: ReactJS, NodeJS, ExpressJS, Django, Flask, MongoDB, SQL, HTML5, CSS
- DevOps: Docker, Git, AWS, Linux
- Certifications: Cisco Certified DevNet Associate, Cisco Certified Network Associate