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# Ayush Dubey

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Tempe, Arizona

**SUMMARY:** Highly skilled IT engineer with a strong academic background and expertise in cutting-edge technologies, seeking opportunities to apply technical knowledge and drive innovation.

## EDUCATION

**MS in Information Technology**, Arizona State University, Tempe, AZ  
**BE in Information Technology**, University Of Mumbai

**Expected Graduation May 2025**  
**CGPA: 8.85/10**

## TECHNICAL SKILLS

- **Core Expertise:** Web development, Android Development, Error Debugging, Software Development, Model-View-Controller (MVC)
- **Programming Languages:** Java, C, C++, Python, JavaScript, Node JS, Kotlin, Swift.
- **Software Used:** VS Code, Android Studio, Chrome DevTools, Visual Studio Debugger, MATLAB, Jira, GIT, GitLab, Eclipse, Linux Kernel, GNU toolchain, Slack, MongoDB Atlas, SOA, phpMyAdmin, Tableau, AWS, PostgreSQL.
- **Development Libraries & Frameworks used:** React.js, Django, Laravel, Express.js, Flask, Next.js, Bootstrap, .NET Framework

## WORK EXPERIENCE

**Shree AGT Multimedia, Mumbai, India**  
**Software Developer Intern**

**Jul 2021-Mar 2022**

- Designed and deployed multiple modules to the applications of billion-dollar Fincorp companies like ICICI, Poonawalla Fincorp and Utkarsh Small Finance Bank.
- Engineered number of **UI-UX** additions to the website of Poonawalla Fincorp with the purpose of **enhancing user experience**. Remodeled their site's EMI-calculator by implementing logical changes in their backend script.
- Handled the frontend and backend operations of the Home-Utsav Campaign of ICICI Bank, which was a portal to connect residential builders and interested buyers. Optimized the application's portal by reducing the **cache load** on server, enabling **GZIP compression**, and adding **JS scripts** to reduce HTTP-requests between client and server.
- Performed **Vulnerability Assessment and Penetration Testing (VAPT)** to identify and address potential security vulnerabilities in the website of Utkarsh Small Finance Bank. Added **PHP** code and updated the **JavaScript** modules of their portal to prevent Distributed Denial of Service (**DDoS**) attacks.
- Developed customized Content Management System (**CMS**) in **e-commerce** websites like LoopFunnel, Innovcare and ComXNow to manage and organize the website's content, product listings, inventory, and other related information.

**SLRTCE - Code Yantra, University of Mumbai, India**  
**Team Lead**

**Jun 2020-Oct 2021**

- Coordinated and facilitated committee meetings, setting the agenda, and ensuring productive discussions.
- Organized coding competitions, hackathons, coding challenges, and coding-related events. Managed promotional events for the same, to attract participants and sponsors.

## PROJECTS

**SecureEye**

**Jul 2022-Mar 2023**

- Developed an Intrusion Detection System using **Face Recognition**, where **OpenCV** library is used on the **LFW (Labeled Faces in the Wild)** dataset which consists of **13,000** labeled face images, to train the model and create a **Haar-cascade** file.
- Programmed scripts using **Python** and deployed on **Raspberry Pi** to make a modular system to avoid the entry of intruder into workplace/house by alerting the owner via message notification.
- Used **CNN** algorithm to compute and extract the relevant features from user's facial images, this achieves **98% accuracy**.

**HealthMantra**

**Aug 2020-Mar 2021**

- Developed an android application using **Java** and **Firestore** database on **Android Studio**, which has both user and admin interface.
- Built **modules** which helps user to schedule their **appointments** by just signing-up to the application and giving their medical details.
- Designed and integrated a **chatbot** into the user interface to enhance the **user-experience** and clarify their queries.
- Designed the admin portal to keep track of all registered users and their appointments.

**Laugh Out Loud**

**Feb 2021-Mar 2021**

- Developed a meme application, built on **React.js** and **Firestore** database, where user will get bunch of random memes and they can save their favorite ones.
- Used **Heroku-app's** meme-api.com domain to fetch 50 random memes at a time by setting **custom Endpoints**.
- Designed a section where user can also create and share their own memes using trending meme templates.