

# Ashish CVNN

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## EDUCATION

University at Buffalo, The State University of New York  
Masters in Computer Science and Engineering

December 2025  
Expected GPA: 3.6/4

New Horizon College of Engineering, Bangalore, India  
Bachelor of Technology in Information Science

June 2023  
CGPA 8.55/10

## PROFESSIONAL EXPERIENCE

IBSFIntech India Private Limited, Bangalore, India

July 2023 – June 2024

Associate Software Engineer

- Spearheaded **end-to-end** design and development of a **CRM software** using **.NET 8, Blazor**, and Azure DevOps, managing a team of five interns, delivering dynamic reports, automated reminders, mail integration, and interactive graphs reducing manual maintenance and reporting time by 50% and boosting team productivity by 25%.
- Streamlined **client data management**, including demos, product milestones, payments, and invoices, by implementing a scalable **database architecture** and intuitive **UI/UX** with Figma, improving data retrieval speed.
- Contributed to upgrading a product from Windows to a web-based platform, enhancing accessibility and **reducing maintenance costs by 30% and increasing user reach**.

Ful.io, Bangalore, India

February 2023 – June 2023

Backend developer Intern

- **Developed efficient, real-time web scraping solutions** using Scrapy, Django, and MySQL, **increasing data extraction efficiency and reducing processing time**.
- **Designed and implemented a robust API** with Scrapy for multi-spider web crawling, **enhancing data collection capacity by 30%**.
- **Optimized application performance** through multithreading and asynchronous processing with Celery and Redis, **boosting task execution speed by 35% and lowering server load by 20%**.

Co-Founder, TekHAB IT Solutions LLP, Bangalore, India

June 2020 – July 2022

Hybrid Mobile App and Website Development start-up serving MSME clients

- **Co-founded and led** the start-up, overseeing end-to-end development, client communications, and project delivery, demonstrating strong leadership, technical expertise, and entrepreneurial skills.
- **Unthought:** Developed a mobile app for young entrepreneurs with **Ionic and Angular** frontend, **Django and Python** backend, enabling **real-time communication** through **WebSockets** and integrated APIs for payments, OTP verification.
- **Ezee Jobs:** Built a job-matching app for the hospitality industry with a **subscription-based model**. Implemented an engaging, responsive interface using **Ionic and Angular**, supported by **Django and Python APIs** to streamline job searches and applications.

BotPlay, Remote, India

November 2021 –January 2022

Full Stack developer Intern

- Enhanced user interfaces for a **rich, responsive** experience, delivering key **frontend features** like split screen, auto-save, dynamic alerts, search functionality, and text formatting with color coding, improving user **efficiency by 20%**. Also resolved critical bugs and integrated APIs for seamless data retrieval and formatting.

## TECHNICAL SKILLS

- Programming Languages: Python, Java, C#, HTML, CSS, JavaScript, TypeScript.
- Frameworks/Libraries: Django (Django Rest API, Web Development, ORM, Serialization, MVT), Scrapy (Web Scraping, Proxies, Data Gathering), Celery (Asynchronous Tasks), Pandas, Matplotlib, NumPy, TensorFlow
- Database: MySQL, PostgreSQL, MongoDB.
- Development: Microsoft Stack (.NET core, ASP.NET Blazor, WinForms, API Development), MEAN Stack (MongoDB, Express.js, Angular, Node.js), Ionic (Hybrid Mobile App Development)
- API, Cloud and DevOps: Postman, Rest Sharp, AWS, CI/CD, Docker, Azure DevOps.
- Other: GitHub, Redis, RabbitMQ, Figma, Arduino Uno Software, WordPress, Agile Methodology.

## PUBLICATION AND CERTIFICATIONS

Mr. Bot - A Survey on Arduino-Based Autonomous Robotic Vehicle

- **Abstract:** An Arduino-based robotic vehicle designed to reduce human effort by autonomously delivering small objects and messages.
- **Developed complete code** for motors, sensors, and obstacle detection/avoidance algorithms in **Arduino software** for "Mr. Bot", enhancing its navigation and obstacle-avoidance capabilities **by 80%**.
- **Presented and co-authored** a research paper that has been published at the 4th International Conference on Data Sciences, Machine Learning, and Applications (**ICDSMLA 2022**), **Springer**

**Robotics workshop** by Roboprenr: Built Wi-Fi and Bluetooth controlled robot, performed face recognition with robot, Learned all technologies around fundamental robotics. (September 2022)

Successfully completed training in **MERN Stack Development** from ETHERGOBAL SERVICES PTV LTD. (November 2022 - December 2022)