

NISHIT GROVER

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EDUCATION

Bachelor of Science, Computer Science

Expected Graduation: **May 2025**

University of Cincinnati, Cincinnati, OH

- GPA: 3.8
- Honors and Awards: 4x Dean's List, CEAS International Outreach Scholarship, UC Global Scholarship, Transfer Ambassador @CEAS

SKILLS

- Programming Languages: **Python, C/C++, Java, JavaScript, TypeScript**
- Frameworks/Libraries: **React, Next.js, Express.js, Node.js, KeystoneJS, Prisma**
- Front-End Technologies: **HTML, CSS, Bootstrap, Tailwind, Semantic UI**
- Databases: **MySQL, MongoDB, PostgreSQL**
- Operating Systems/Tools: **Visual Studio, Unix/Linux, Git/GitHub, JIRA, Power BI, Postman, FFmpeg, Beautiful Soup**
- Cloud & DevOps: **AWS Certified Solutions Architect – Associate, Docker, Kubernetes**
- Mathematics & Optimization: **Linear Regression, Data Analysis, Optimization Techniques**

EXPERIENCE

Software Engineer Intern @Intel

May'24-Aug'24

- Collaborated with cross-disciplinary teams to conceive, design, and deliver innovative products impacting internal and external stakeholders.
- Designed and built scalable Python automation scripts for RESTful APIs, enhancing integration efficiency and reducing manual workload.
- Developed front-end applications for hardware test suites, implementing UI enhancements that reduced testing time by over 8x through parallel testing across multiple device generations.

PDK Technical Intern @Intel

May'23 -Aug'23

- Developed a 5,000+ line Python Scorecard script for the Power BI Dashboard, delivering production-ready code shortly after joining the team.
- Administered and customized JIRA workflows and dashboards, improving issue tracking and project management for the PDK team.
- Automated repetitive tasks using scripting, saving the team an estimated 15 hours per week.

Software Developer @UC-CEAS

Mar'23 -June'23

- Executed the Software Development Life Cycle (SDLC) to develop a scalable Python/PowerShell script using FFmpeg and Beautiful Soup within a two-week deadline.
- Conducted extensive research on Python modules to implement custom scripts with VLC media player, increasing efficiency in data scraping and frame extraction for over 1,000 movies.
- Worked independently and collaboratively to solve complex problems starting from broadly defined requirements.

Undergraduate Research Assistant @UC-CEAS

Dec'22 – May'23

- Developed automated testing frameworks using Python, Robot Framework, and Selenium to enhance software traceability and quality assurance for scientific software applications.
- Collaborated with Dr. Nan Nui and research teams to design and implement test strategies, demonstrating strong teamwork and communication skills.
- Created and maintained test scripts, increasing testing efficiency by 30%, and ensured robust validation of web automation solutions for research projects.

PROJECTS & EXTRACURRICULAR

FurrFect – Pet Adoption and Social Platform | Personal Project

Jan'23 – Present

- **Developed a full-stack web application** using Node.js, Express.js, React, and Tailwind CSS, creating a social platform for pet owners to share moments and access resources on pet care and adoption.
- **Implemented RESTful APIs and secure authentication**, utilizing Firebase Authentication and JWT for user management, and MongoDB for efficient data storage.
- **Enhanced user experience with real-time updates** through Firebase Realtime Database for instant notifications, deploying the application on AWS for scalability and reliability.

MAKEUC | Hackathon

May'24 – Nov'24

- **Developed robust backend solutions** using KeystoneJS and Prisma, managing data models and providing a GraphQL API for efficient database interactions.
- **Engineered a dynamic UI** with Next.js 13+ and Tailwind CSS, ensuring a seamless user experience.
- **Enhanced data fetching and manipulation** through GraphQL, reducing over-fetching and improving application performance.

Real Estate Value Prediction Model

- **Built a predictive model using linear regression** to analyze over 10,000 property listings, achieving 95% accuracy in estimating real estate values.
- **Optimized the model with NumPy, pandas, and matplotlib**; refined data training using **Scikit-learn**, reducing runtime by 25%.