NISHIT GROVER

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SKILLS

- Programming Languages**:** Python, C/C++, C#, Java, JavaScript, TypeScript, SQL
- Frameworks/Libraries: React, Next.js, Django, Express.js, Node.js, KeystoneJS, Prisma
- Front-End Technologies: HTML5, 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, Microsoft Azure Fundamentals**,** Docker, Kubernetes
- Mathematics & Optimization: Pandas, NumPy, PyTorch, Scikit, Matplotlib, MongoDB, Jupiter Lab, LangChain, Tableau, RAG

EXPERIENCE

Software Engineer Intern – Intel Corporation
May'24 - Aug'24

- Led and coordinated a cross-disciplinary team to conceive, design, and deliver innovative products, fostering collaboration and guiding junior members through complex technical challenges
- Engineered Python automation scripts that reduced manual workload by 40 hours per month and improved integration efficiency by 30%
- Revamped UI for hardware test suites across 5 device generations, accelerating testing time by 8× and reducing overall testing duration by 60%

Application Engineering Intern – Intel Corporation
May'23 - Aug'23

- Developed a 5,000+ line Python script for the PowerBI Dashboard, reducing error rates by 20% and cutting report generation time by 50%.
- Managed 25+ dashboards, migrating data to cloud solutions that improved data accessibility by 35% and increased cross-team collaboration efficiency
- Orchestrated JIRA system enhancements, configuring 10+ dashboards to provide real-time insights into project status, reducing resolution times by 20% and improving communication across engineering teams
- Led 4 interns to implement automated testing frameworks that increased testing efficiency by 30% and saved 15 hours per week, reducing time-to-deploy by 20%

Software Developer – University of Cincinnati
Mar'23 - June'23

- Proactively led the development of a scalable Python/PowerShell script within a two-week deadline, coordinating tasks, and mentoring peers to ensure on-time delivery and high-quality output
- Researched and integrated Python modules to enhance VLC scripting, boosting data scraping efficiency by 50% and reducing frame extraction time by 35% for 5,000+ movies
- Worked independently and collaboratively to solve complex problems starting from broadly defined requirements

Undergraduate Research Assistant – University of Cincinnati
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

RxRecruit: Healthcare Collaboration Platform | Hackathon winner
March'25

- Developed a real-time chat feature that supported 500+ concurrent users and reduced response time by 40% using **Socket.IO** and integrated AI-powered assistance via OpenAI GPT-4, while creating role-based dashboards for doctors and patients with Next.js and Tailwind CSS
- Deployed the application on Vercel with a scalable MySQL backend via PlanetScale, ensuring robust performance and seamless user experience
- Built a predictive model combining linear regression and NLP techniques to analyze over 10,000 data points, achieving 95% accuracy and reducing runtime by 25% through optimized data preprocessing with NumPy, pandas, and Scikit-learn

FurrFect – Pet Adoption and Social Platform | Personal Project
Jan'24 - 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 Organizer
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

EDUCATION

Bachelor of Science, Computer Science
Aug'21 – May'25

University of Cincinnati, Cincinnati, OH

- GPA*: 3.8*
- Honors and Awards: 7x Dean's List, CEAS International Outreach Scholarship, UC Global Scholarship, Transfer Ambassador @CEAS