Prashant Tomar (PT)

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ABOUT ME

I'm Prashant (PT), a master's in computer science graduate at Old Dominion University, graduated in April 2024. With over 9 years of professional experience, I've transitioned from networking to web and software development. My passion lies in crafting innovative web solutions that enhance user experiences. I'm seeking opportunities in web and software development where I can push technological boundaries and contribute to impactful projects.

PROFILE SUMMARY

- Versatile professional experience in networking, web, and software development.
- Proficient in crafting innovative web applications and user-centric solutions, integrating APIs and modern frameworks like React and Node.
- Expertise in software development, excelling in technologies such as JavaScript, Python, HTML, CSS, and SQL.
- Proven ability to enhance user experiences and solve complex problems through analytical thinking and collaboration.

TECHNICAL SKILLS

- *Languages/ Frameworks:* Python, JavaScript, R, node.js, express.js, ReactJS, d3.js, Vega-lite
- *Technologies/ Libraries:* Git, REST API, NumPy, pandas, Flask, PyTorch, NLTK, scikit-learn
- *Database/ Operating Systems:* MySQL, MongoDB, Windows, Shell Scripting
- *Tools and Platforms:* Visual Studio Code, Postman, IntelliJ IDEA, WorkBench, Docker, Figma, Sketch, Tableau, PowerBI
- *Other Technical Skills:* Writing clean modular code, Code reviews and version control Workflows

WORK EXPERIENCE

Technical Support Professional   May 2023 –May 2024

SEES at Old Dominion University, Norfolk, VA

- Provide technical guidance, knowledge, and support of university-managed IT resources.
- Document all work, troubleshooting steps and customer communications in the University's ServiceNow ticketing system.
- Perform direct contact with the hardware repair center to replace, repair, correct, or upgrade hardware as necessary.

Graduate Research Assistant   August 2022 – December 2022

ITS at Old Dominion University, Norfolk, VA

- Develop and maintain Python-based applications, software, and tools.

- Developing and implementing software or other technology solutions to support ITS projects.
- Participate in code reviews, contribute to team knowledge sharing, and mentor junior team members.
- Collaborating with other researchers, faculty members, and IT professionals to develop and implement new technologies.

Network Engineer   March 2015 –July 2022

Corporate InfoTech Pvt. Ltd., New Delhi, India

PROJECTS

Web Server Design Course Project | Python | Docker | GitBash
- **Protocol Conformance**: Designed and implemented an HTTP server in multiple phases, ensuring compliance with HTTP/1.1 standards and functionality.
- **Deployment in Docker**: Packaged and deployed the server in a Docker container for testing on remote machines, simulating real-world server environments.
- **Collaborative Code Review**: Managed the project in a private GitHub repository, incorporating instructor feedback and rigorous testing to optimize server performance and reliability.

Modeling Public Mood to Detect Events | Python
- **Developed a sentiment analysis pipeline** utilizing Python libraries (e.g., nltk, pandas) to preprocess, tokenize, and analyze tweets, identifying public mood trends around social, economic, and political events.
- **Collected and analyzed a dataset of over 70,000 tweets** from Twitter using web scraping tools like snscrape, focusing on sentiment changes before, during, and after significant events (e.g., Sri Lanka economic crisis protests).
- **Designed sentiment scoring algorithms** to categorize tweets as positive, negative, or neutral, producing visual trends and actionable insights on societal impacts through data visualization tools.

EDUCATION

Old Dominion University, Norfolk, VA   August 2022-May 2024
Master of Science, Computer Science, GPA: 3.85

RELEVANT COURSES

- Web Server Design • Web Science • Natural Language Processing • Database Concepts
- Data Science and Analytics • Information Viz. • Foundations of Computing • Data Viz.

EXTRACURRICULAR

Hampton Roads Datathon, City of Norfolk, VA   September 2022
Third position for the team project Wetlands and Protected Areas in Hampton Roads

Hampton Roads Datathon, City of Norfolk, VA   September 2023
Third position for the team project Hampton Roads Wellness Intersectionality Study

(More specific details and briefs can be provided upon request)

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