Pavan Sai Nallagoni

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CAREER OBJECTIVE

I aspire to connect academic knowledge with practical experience by contributing constructively in a professional environment while enhancing my software engineering and interpersonal skills.

EDUCATION

Oregon State University   Corvallis, USA
Master of Science in Computer Science, CGPA - 3.85 / 4.0   *Graduation: May 2023*
Course work: Software Engineering Methods, Lab Studies in SE and HCI, Computer Systems, Computer Graphics

CVR College of Engineering   Hyderabad, India
Bachelor of Technology in Computer Science and Engineering, CGPA - *3.9 / 4.0*   *Aug 2017 - Jul 2021*
Course work: Software Engineering, Design and Analysis of Algorithms, Machine Learning, Big Data.

PROFESSIONAL EXPERIENCE

Graduate Teaching Assistant, Oregon State University   Corvallis, USA

Web Development CS 290   *September 2021 – Present*
- Guided students in developing modern web applications using technologies such as JavaScript, React, Node.js, Express and MongoDB, and evaluating architectural strategies with particular emphasis on Scalability, Usability, and Security.
- Assisted Professor in reviewing the course work, assignments, and held doubt clarification sessions for students.

XVigil, CloudSEK   Bangalore, India
Artificial Intelligence Intern   *June 2020 – Aug 2020*
- Identified malicious threats and resolved Security Issues of given problem statement using behavioral patterns through AI.
- Accomplished requirements to be recognized as XVigil Professional, a SaaS based digital risk monitoring platform.

TECHNICAL SKILLS

- **Languages**: Java, Python, C++, C#, SQL, HTML, JavaScript, R.
- **Libraries**: OpenGL, GLSL, TensorFlow, OpenCV, Keras, NumPy, pandas.
- **Tools**: NodeJS, React, Git, MongoDB, Visual Studio, Jupyter, Apache Hadoop, PyCharm, Figma, Framer.

PROJECTS

LEA & Judiciary Interactive Case Management System
- Designed an Interactive web application which allows authorized users to login, file cases and conduct meetings efficiently using Express JS and MongoDB.
- Developed a video conferencing platform for enlisted applicants with WebRTC.

Offline Hand-Written Text Image Recognition using Deep Learning
- Implemented CNN Algorithm to classify and recognize the hand-written text images.
- Created User Interface using Flask to allow the users to upload their hand-written text images.

React-Native Multiplatform Application
- Curated geographical and travel information using React-Native and published into Expo CLI.

CERTIFICATIONS

CITI Program – Group.1 Social / Behavioral Research Investigators and Key Personnel | **Cloud Computing Basics -** Learn Quest | Front-End Web UI Frameworks and Tools: Bootstrap 4 (with Honors)

EXTRACURRICULAR ACTIVITIES

Event Co-Ordinator, EECS Graduate Student Association, Oregon State University   Sep 2021 – Present
- Maintained consistent communication with the professors and demonstrated responsibility in conducting the technical events successfully.

Microsoft Virtual Internship Program   Jul 2020
- Established deep insights into what it is like to work at Microsoft in a corporate world.