Manogna Challoju

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SUMMARY

I am enthusiastic about crafting applications that go beyond industry expectations. Having three years of hands-on experience and proficiency in Java, Python, and React, I am adept in both front-end and back-end development. Actively pursuing opportunities to nurture continuous learning and bring innovative perspectives to a dynamic environment.

EDUCATION

Oregon State University — Corvallis, Oregon
Master of Engineering in Computer Science GPA - 3.65/4 — *Expected Mar. 2025*

Jawaharlal Nehru Technological University — Hyderabad, India
Bachelor of Technology in Computer Science Engineering GPA - 3.08/4 — *Aug. 2016 – Oct. 2020*

TECHNICAL SKILLS

Languages & Frameworks: C++, Java, Python, Vue, React, .NET, Spring Boot, OpenGL
Libraries and Packages: NumPy, Matplotlib, Scikit learn, Beautiful Soup, pandas
Developer Tools: Git, Postman, Docker, SonarQube

EXPERIENCE

Web Content Assistant – Extension Service — Sep. 2023 – Present
Oregon State University — *Corvallis, Oregon*

- Performing content maintenance and migration in Drupal with a focus on accessibility, content quality, and ensuring compliance with web accessibility standards (WCAG).
- Assisting in web content optimization including formatting checks, error correction, and broken link resolution using Monsido, resulting in a 20% increase in user engagement

Software Engineer I – Research and Advisory Department — Nov. 2021 – Aug. 2022
FactSet Research Systems Inc. — *Gachibowli, Hyderabad*

- Developed software solutions for internal research application using .NET and Vue.js
- Integrated a notification system in the research application, boosting user communication and leading to a 20% increase in responsiveness to critical data changes and updates.
- Collaboratively reduced launch time by 50% through code release automation, demonstrating proficiency in agile methodologies.

Full-Stack Developer — Jan. 2020 – Nov. 2021
Feba Technologies Pvt. Ltd. — *Begumpet, Hyderabad*

- Developed a digital vault for storing and organizing WILL-related data, reducing data retrieval time by 40%
- Implemented a JSON to PDF conversion module, streamlining data documentation and sharing processes
- Developed recommendation module that enhanced store visibility and generated personalized deals.
- Led training program for 3 interns, helping them transition to full-time junior developers.

Summer Intern — Jun. 2019 – Jul. 2019
KaaShiv InfoTech Ltd — *Chennai*

- Scraped and appended various bank credit card details to a CSV file, used matplotlib for data visualization, to calculate and present best offers for users.
- Offered design and implementation assistance to construct an Energy Management System using C# as a proposal for Tamil Nadu Electricity Board

Summer Intern — May. 2018 – Jun. 2018
Verzeo Edutech Pvt Ltd. — *BITS Pilani, Hyderabad*

- Acquired training on Microsoft Azure tools and VMware and worked on a hands-on project involving data auditing within a banking organisation by utilising SharePoint Online

Achievements / Certifications

- Top 5 Finalist in 2024 WE Local Collegiate Competition **Society of Women Engineers**
- Above and Beyond Award for excellence in performance at **Feba Technologies**
- Microsoft Technology Associate in Cloud Computing **Microsoft**
- Reinforcement Learning (IIT Madras) **NPTEL**
- Deep Learning (IIT Kharagpur) **NPTEL**

Relevant Projects

Conversational AI's Role in Streamlining Web Development | *PyTorch, JavaScript, MySQL*   2019
- Proposed a application model that to reshape traditional website development by using a trained chatbot that interacts with users and serves as a tool for building desired web pages with personalized content.

Equalithon | *React.js, Node.js, MySQL*   2021
- Managed registration of hackathon teams for three different categories, focusing on addressing technical challenges for local or global organizations.

Zeit Care | *React, PostgreSQL, Node.js*   2020
- Built an application to assist retired citizens by providing personalized medication, dietary, and health monitoring for those needing assistance. Allowed increased access to care and opportunities for individuals to earn by caring for chosen companions.

Vahaan – Travel Assistant | *Android Studio - C#*   2018
- Developed and showcased an Android app at a college project expo called INCEPTRA. The app helps college students track buses by providing bus timings and real-time location using integrated Google Maps API

Student Activities

Web Designing and Technical Lead   Nov. 2020
IEEE Women in Engineering International Leadership Summit, Nagpur 2020
- Led a team of three in building a website for the summit using WordPress

Support Developer   Mar. 2020
IEEE Covid Move, IEEE Hyderabad Section
- Developed a website for IEEE Hyderabad Section's initiative, IEEE COVID Move, within 48 hours of reporting first COVID case in Hyderabad
- The website featured a section specifically for showcasing team projects, where individuals contributed ideas to address challenges faced during COVID-19

Student Network Representative   2019 – 2020
IEEE Hyderabad Section
- Analyzed all Student Branches in Hyderabad Section and generated a report to revive inactive ones
- Developed and maintained a website for Section Student Congress'19 to facilitate registration and submission of ideas from participants

Chairperson at Women in Engineering – Affinity Group   2019 – 2020
IEEE – VBIT SB
- Led a team of four in organizing and executing various events, seminars, and conferences. Additionally, I initiated campaigns to promote and support women in technology.