HEMANTH BORRA

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EDUCATION

University of North Carolina at Charlotte (UNCC) — Charlotte, USA
Master of Science - Computer Science — *August 2024 - May 2026*
Courses: *Visual Analytics, Artificial Intelligence, Software System Design and Implementation, Database Systems*

Vignan's Institute of Information Technology (VIIT) — Vizag, India
Bachelor of Technology - Computer Science and Engineering; GPA: 8.47 — *July 2020 - May 2024*
Courses: *Data Structures, Operating Systems, Computer Networks, Design and Analysis of Algorithms, Database Management Systems*

SKILLS SUMMARY

Languages: Python, JavaScript, Java, C, C++, SQL; **Web:** HTML, CSS, React.js, Node.js, Django, Flask, Git.
Machine Learning: TensorFlow, PyTorch, NLP; **Data Analysis:** MySQL, Power BI, Tableau, (EDA)
Cloud: AWS, Google Cloud Platform (GCP); **IoT:** Arduino.
Soft Skills: Strong Communicator, Collaborative Team Member, Analytical Thinker, Flexible, Organized.

EXPERIENCE

Arth Design Build Private Limited — Hyderabad, India
Script Developer Intern — *September 2023 – May 2024*
- **Revit-PowerBI Integration**: Merged Revit models with PowerBI, improving visualization accuracy by 35%.
- **Custom Plugins**: Created 5 Revit plugins in JavaScript and Node.js, cutting manual efforts by 15 hours weekly.
- **Data Automation**: Streamlined data flow between ACC, VCAD, and PowerBI, decreasing processing time by 50%.
- **PowerBI Dashboards**: Developed a site for interactive PowerBI dashboards, aiding 60+ stakeholders in decision-making.
- **User Training**: Facilitated 5 training sessions, boosting tool adoption by 45% among users.
- **Technical Support**: Provided support to 30 users, achieving a 90% satisfaction rate in system operations.
- **Project Documentation**: Documented 10 workflows, enhancing onboarding efficiency by 30%.
- **Data Analytics**: Maintained analytics dashboards that informed decisions for key stakeholders, impacting 20 projects.
- **Stakeholder Meetings**: Engaged in bi-weekly meetings, improving communication and project clarity with clients.
- **Version Control**: Utilized Git for project version control, collaborating with a team of 6 developers on 4 major projects.

Foxiaser — Remote
Software Developer Intern — *June 2023 – August 2023*
- **CRUD Operations**: Implemented CRUD operations with MERN stack, increasing data retrieval speed by 25%.
- **Web Development**: Engineered 3 responsive web apps with React.js, raising user engagement by 30%.
- **Team Collaboration**: Collaborated in Agile teams to streamline workflows, reducing project completion time by 20%.
- **Code Review**: Conducted weekly code reviews for 5 developers, ensuring adherence to best practices and coding standards.
- **Documentation**: Authored detailed documentation for workflows and APIs, reducing onboarding time by 50%.

PROJECTS

- **Community Support Platform**: Developed a responsive community support platform using the MERN stack (MongoDB, Express.js, React.js, Node.js) to connect individuals with local resources and volunteers. The platform allows users to post requests for assistance, facilitating real-time responses from volunteers. An intuitive interface, enhanced by Redux, ensures efficient state management, while Socket.IO enables instant notifications. The backend, powered by Node.js and Express.js, provides seamless API handling and flexible data storage with MongoDB, fostering community engagement and support.
  Technologies Used: MongoDB, Express.js, React.js, Node.js, Redux, Socket.IO

- **Emotion Recognition Chatbot**: Created an advanced emotion recognition chatbot using Python, TensorFlow, Keras, and Flask. The chatbot analyzes user inputs alongside facial expressions captured through a webcam to evaluate emotional responses. With a robust machine learning model, it identifies emotions from both text and video inputs, facilitating empathetic interactions. OpenCV is integrated for real-time emotion detection, while Natural Language Processing (NLP) techniques enhance the quality of user engagement. This project is designed to promote mental health by providing a supportive interface for users to articulate their feelings and receive tailored recommendations.
  Technologies Used: Python, TensorFlow, Keras, Flask, OpenCV, Natural Language Processing (NLP)

CERTIFICATIONS

- Programming, DSA using Python (NPTEL)
- Django Essential Training (LinkedIn Learning)
- Project Management Fundamentals (IBM)
- Introduction to Networks (CISCO)

HONORS, AWARDS, AND VOLUNTEER EXPERIENCE

- **Program Facilitator** at Festival of India, managing logistics & coordinating service operations — Charlotte, USA
- **Finalist** in National-Level Hackathon, held at Rajasthan, India — March 2023
- **Top 10** in Agri-Tech Hackathon (800+ participants), held at VIIT — December 2022
- **Media Cell Contributor** at VIIT, creating promotional content to enhance event visibility — Vizag, India