






# 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++    **Web Development:** HTML, CSS, React.js, Node.js  
**Machine Learning:** TensorFlow, PyTorch    **Cloud Computing:** AWS, GCP  
**Data Analysis:** SQL, Power BI, Tableau    **Version Control:** Git

## 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:** Developed 5 Revit plugins in JavaScript and Node.js, saving 15 hours per week.
  - Data Automation:** Streamlined data flow between ACC, VCAD, and PowerBI, reducing processing time by 50%.
  - PowerBI Dashboards:** Created 4 interactive PowerBI dashboards, supporting decision-making for 60+ stakeholders.
  - Financial Tracking System:** Implemented a BIM financial tracking system, ensuring real-time visibility into project expenditures and budget allocations, thereby facilitating proactive financial management and cost control.
  - KPI Analytics:** Established KPI analytics for project progress, improving transparency by 40%.
  - Risk Dashboard & Stakeholder Engagement:** Launched a risk monitoring dashboard and participated in bi-weekly meetings, improving issue resolution efficiency by 25%.
  - Version Control:** Utilized Git for version control, collaborating with a team of 6 developers on 4 major projects.
- Foxiaser** Remote  
*Software Developer Intern* June 2023 - August 2023
  - CRUD Operations:** Executed CRUD operations with the MERN stack, boosting data retrieval speed by 25%.
  - Web Development:** Engineered 3 responsive web apps with React.js, increasing user engagement by 30%.
  - Agile Collaboration:** Streamlined workflows in Agile teams, reducing project completion time by 20%.
  - Code Review:** Conducted weekly code reviews for 5 developers, ensuring adherence to best practices.
  - Documentation:** Authored documentation for workflows and APIs, cutting onboarding time by 50%.

## PROJECTS

- Community Support Platform:**
  - Developed a dynamic, user-friendly platform using the MERN stack to connect individuals with local resources efficiently.
  - Implemented Redux for state management and Socket.IO for instant notifications to users.
  - Created secure, scalable backend APIs with Node.js and Express.js, leveraging MongoDB for flexible data storage.
  - Enabled real-time assistance, enhancing community engagement by 25

**Technologies Used:** MongoDB, Express.js, React.js, Node.js, Redux, Socket.IO
- Emotion Recognition Chatbot:**
  - Designed an innovative chatbot leveraging machine learning to analyze text and user facial expressions accurately.
  - Incorporated OpenCV for instant emotion detection and advanced NLP for enhanced user interactions.
  - Designed a robust emotion recognition model using TensorFlow and Keras to improve overall accuracy.
  - Aimed to support mental health by delivering tailored emotional responses and personalized recommendations.

**Technologies Used:** Python, TensorFlow, Keras, Flask, OpenCV, 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-March 2023 Jaipur, India
- Top 10** in Agri-Tech Hackathon (800+ participants), held at VIIT-December 2022 Vizag, India
- Media Cell Contributor** at VIIT, creating promotional content to enhance event visibility Vizag, India