BHARGAVI KAMBAM

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CAREER OBJECTIVE

Enthusiastic fresher with strong foundations in Python, Django, SQL, and web development. Seeking an opportunity as an Associate System Engineer or Full Stack/Python Developer to apply problem-solving and development skills. Committed to building efficient, scalable, and high-quality solutions.

EDUCATION

B.Tech in Electronics and Communication Engineering (ECE)   2022 – 2025 | 76.85%
Vaagdevi Institute of Technology and Science, JNTUA

Diploma in Electronics and Communication Engineering (ECE)   2019 – 2022 | 87.5%
Gouthami Institute of Technology and Management for Women, SBTET

SSC   2018 – 2019 | 9.2 GPA
Zilla Parishad High School (ZPHS), Gangireddypalli

SKILLS

Programming Languages: Python (OOPs, File Handling, Exception Handling), NumPy, Pandas
Frontend: HTML, CSS, JavaScript, Bootstrap, React
Backend: Python, Django (views, models, ORM), REST APIs
Databases: MySQL, SQL (Joins, Subqueries, Views, Normalization)
Tools: Git, GitHub, Visual Studio Code

PROJECTS

Optimized Data Allocation and ICI Self-Cancellation in OFDM *(Jan 2025 – Apr 2025)*
  • Developed a MATLAB-based OFDM system to optimize data allocation and reduce interference.
  • Implemented self-cancellation techniques to improve signal quality and communication reliability.
  • Analysed system performance using simulation metrics to ensure accuracy and efficiency in wireless data transmission.
   Tech Used: MATLAB, OFDM, Signal Processing

Auto Temperature Detector for COVID Safety *(Oct 2021 – Jan 2022)*
  • Designed an Arduino-based automatic temperature detection system with 98% accuracy.
  • Integrated sensors for contactless health monitoring and real-time display.
  • Programmed and calibrated embedded components to ensure stable operation and reliable temperature measurement.
   Tech Used: Arduino, Sensors, Embedded Systems

INTERNSHIPS

Full-Stack Python Development *(May 2025)*
  • Built and maintained web applications using Django, HTML, CSS, and Angular.
  • Improved data efficiency by 30% through optimized SQL queries.
  • Collaborated with a team to design APIs and deploy full-stack solutions.

VLSI (Very-Large-Scale Integration) *(Apr 2024 – Jun 2024)*
  • Performed Verilog-based logic synthesis and timing analysis.
  • Enhanced understanding of chip design and circuit verification.

CERTIFICATIONS

  • Introduction to Internet of Things (IoT) – NPTEL, IIT Kharagpur (2024)
  • AWS Cloud Practitioner Essentials – Amazon Web Services (2024)

LANGUAGES

English (Fluent), Telugu (Native)