Bhagyesh Jethwani

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EDUCATION

University of Central Florida: Burnett Honors College — Orlando, Fl
Bachelor of Science in Computer Science, Minor in Intelligent Robotic Systems — *May. 2027*

EXPERIENCE

Human Computer Interaction Researcher — Jan 2024 – Present
Interactive Computing Experiences Research Cluster — *Barbara Ying Center*
- Researching and testing a Multimodal Natural User Interface to generate data for a machine learning model.
- Assist in developing Unity scripts to control a UR5 hand which moves legos in a virtual environment.

Lead Mobile App Developer — Sept 2024 – Present
Vita (Onlife) — *UCF Teaching Academy*
- Lead a team of mobile developer interns for an emerging health startup company to develop their suite of apps.
- Work with founders of company to incorporate designs and function from Figma into company's applications.
- Use Android Studio to emulate the applications functionality and display after programming the design.

Data Analytics Research Team Lead — Sept 2023 – April 2024
Space Launch Delta 45 — *Cape Canaveral, Florida*
- My team utilized the NOAA storm event database for linear regression analysis and significance testing to assess weather-event risk levels and predict future weather trends and deaths. Various outliers were found and handled.
- Data was presented by the 45th Weather Squadron at the 45th American Meteorological Society National Conf.
- An informative weather safety video was created and launched with my team's data and analysis.

Information Technology Intern — May 2023 – July 2023
Kelly Services — *Orange County Public Schools*
- Inventoried and replaced IT technologies in various schools throughout my district.
- Re-imaged devices with updated operating systems and security settings for the coming school year.
- Assessed for dysfunctional equipment and fixed it accordingly (PCs, laptops, smart boards, tablets).

PROJECTS

Compete | *Dart, Flutter, Firebase, Gemini Developer API, Docker, Git* — June 2024 – August 2024
- Developed a full-stack web application using Flutter for the front end and Firebase serving as a BaaS.
- Incorporated Gemini Developer API to act as a chat bot trainer to train and compete with users.

InsureFair | *React (CSS and JSX), MySQL, Spring Boot, Git, Statistics* — Shell Hacks - October 2024
- Developed a full-stack web application with Spring Boot serving as a REST API for React as the front end.
- Conducted Statistical Analysis on data generated from queries on a MySQL database importing government data.

Glimpse | *React(JSX and Tailwind CSS), Google Maps API, Gemini Developer, Firebase* — Cal Hacks - October 2024
- Developed a web application utilizing Google Maps API and ReactJS. Used Firebase for user data management.
- Used Exif library to get image metadata and used Gemini to generate content and images based on the metadata.

TECHNICAL SKILLS

Languages: Java, Python, C, SQL (MySQL), JavaScript, Linux Shell Scripting, Dart
Frameworks: React, Node.js, Spring Boot, Firebase, Flutter, Google Cloud, C#
Developer Tools: Git, Docker, Android Studio, VS Code, AWS, Figma, Unity

AWARDS AND CERTIFICATIONS

Awards: Picerne Scholarship Recipient 2024, UCF Provost Scholarship, Life Scout 2023, Top 1 Percent in High School
Certifications: MOS 2016(PowerPoint, Word, Excel), MTA: Introduction to JavaScript, Autodesk: Inventor - Imperial