VINAYAK BHOSALE (Master's in Computer Science)

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Education

University of Central Florida,   United States | 2022 - Present
- Master of Science in Computer Science | GPA: **3.833/4**

MVJ College of Engineering, Visvesvaraya Technological University (VTU), India | 2015 - 2019
- Bachelor of Engineering in Electronics and Communication | CGPA: **7.06/10**

Full Time Experience

i2soft Technologies | Software Developer | Sep'2020 - Apr'2021
- Streamlined the change requests from the Stakeholders, negotiate and drive meetings to discuss Software, and functional issues and create project update reports for Senior Managements.
- Collaborated with the stakeholders of the processes to perform feasibility analysis, understand the requirements, and logically define the Business rules to further design the To-Be process.
- Coordinating with Business Analyst and Program Managers to improve the process.
- worked on web-based application which was built using Javascript, Python Flask framework and SQL database.

Peopleclick Techno Solutions pvt ltd | Software Developer | Dec'2019 - Jun'2020
- Collaborated with cross-functional teams including designers, product managers, and quality assurance engineers to develop and deliver high-quality software products.
- Worked on building Django Python API to create, read, update and delete from the PostgreSQL Database
- Worked on various complex deep learning algorithms such as convolutional neural networks, LSTM etc

Livewire | Associate software Engineer | Jan'2019 - June'2019
- Worked on variety of machine learning algorithms such as linear regression, logistic regression, Decision Tree classifier, Random Forest classifier, and others.
- Implemented front-end designs using HTML, CSS, and JavaScript.

Skills

- **Programming Languages:** Python, JavaScript, Java fundamentals, C, C++
- **Frontend & Backend Web Frameworks:** HTML, CSS, Bootstrap, Django, Flask, Streamlit
- **Database:** SQL, PostgreSQL, Mongodb
- **Data Science & Machine Learning:** Scikit Learn, Pandas, Matplotlib, Seaborn, Numpy, Statsmodels, Langchain
- **Deep Learning:** Pytorch, Tensorflow & Keras

Projects

- **Full Stack Amazon Website Clone :**
  Created a full-stack e-commerce website clone of the Amazon website, **Technologies Used:** HTML, CSS, JavaScript
- **Front End YouTube Clone :**
  Developed a front-end clone of the YouTube website, **Technologies Used:** HTML, CSS
- **Mini ChatGPT :**
  Built a chatbot by fine tuning Bert Transformer model. It can generate human-like text responses based on user input, providing a conversational experience, **Technologies Used** : HTML, CSS, JavaScript, Python, Pytorch
- **YouTube Video Summarizer :**
  Developed a Python application that uses natural language processing to generate concise summaries of YouTube videos, **Technologies Used:** HTML,CSS,JavaScript, Python, Streamlit, NLP-Transformers, Pytorch
- **Python Online Compiler :**
  Designed a web-based Python code editor and compiler. Users can write, compile, and run Python code directly in the browser. **Technologies Used:** HTML, CSS, JavaScript, Python, Django
- **Automatic billing system using Li-Fi technology:**
  Developed an embedded C-based billing system using Li-Fi technology, interfacing with Arduino IDE. This academic project involved designing and implementing efficient billing methods to enable fast and secure transactions, **Technologies Used:** Objective C, Arduino IDE, Raspberry pi

Achievements

- Developed and Published two packages (deep learning, machine learning) in pypi.org (python's official open source contribution)
  i) Image data importer package for Deep Learning   Link: https://pypi.org/project/vinzy-imgdata-importer/
  ii) Train, Validation and Test split package for Machine Learning Link: https://pypi.org/project/vinzy-splitter/
- Automatic Billing System Using Li-Fi Module, presented and Published on IJMTE Journal (International Journal of management Technology and Engineering) Serial Number: 232, Publication URL: http://ijamtes.org/VOL-9-ISSUE-06-2019-1/
- Took part in Morgan & Morgan for a hacker hackathon and secured 8th spot in Generative AI challenge
- Served as chief co-ordinator and lead a team of 15 members in code wars contest at IT fest being an active member of it club during engineering

Courses & Certifications

Graduate Courses: Advanced Artificial intelligence, Advanced Computer Architecture, Design & Analysis of Algorithms, Machine Learning, Computer Understanding Natural Language (NLP), Computer Forensics II

Certifications: Data structures & Algorithms, Complete Python course, JavaScript Algorithms and Data Structures Masterclass, Python for Machine Learning & Data Science, HTML CSS JavaScript & Bootstrap, Django Backend Web framework, Neural Networks and Deep Learning

Portfolio

Portfolio Url: https://vinayak-97.github.io/Vinayak-Portfolio/index.html
Github Url: https://github.com/vinayak-97
Linkedin Url: https://www.linkedin.com/in/vinayak-bhosale-a7437616a/

Hobbies

Love Creating educational Videos, **My Youtube :** Tycomac Codes (coding channel), Reading books & novels (my personal favorite book is Ikigai)