AMANDA JUDY ANDRADE

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EDUCATION

Santa Clara University | Santa Clara, CA| Master of Science – Computer Science and Engineering **Jun 2024**
Internship: Website Developer (Inspired Earth) under the mentorship of Professor Navid Shaghaghi. **GPA: 3.54/4.00**
Relevant Courses: Algorithms, Operating Systems, Computer Architecture, Product Management, Machine Learning.

The University of Mumbai | Mumbai, India | Bachelor of Engineering – Computer Science **Aug 2021**
Awards: Rank 6th out of 82 students in the Computer Science degree. **GPA: 3.88/4.00**
        Won 1st prize out of 250 students in the 'Can you Handle the Pressure?' contest

PROFESSIONAL EXPERIENCE

Santa Clara University| Software Engineer Intern | Santa Clara, CA **Jun 2023 – Oct 2023**
Skillsets: PHP, HTML, CSS, JavaScript, Bootstrap, Node.js
- Collaborated with a team of 2 engineers under the supervision of a professor for developing an e-commerce website for a home-based business, by building the admin panel and product list upload.

Corizo| Machine Learning Engineer Intern|Mumbai, India **May 2022 – Jul 2022**
Skillsets: Machine Learning, Python 3, Project Management
- Implemented a machine learning algorithm to streamline music genre classification through spectrograms, resulting in a 30% decrease in response time.
- Assisted the data science team with building predictive models (fully connected CNNs) for stock price forecasting and music genre classification, resulting in a 44% improvement in accuracy.

The Sparks Foundation|Business Analyst Intern |Mumbai, India **Jan 2022 – Feb 2022**
Skillsets: Python 3, PowerBI
- Spearheaded the development of data science models using gradient boosting algorithms like LightGBM, XGBoost, Decision Tree, AdaBoost, leading to significant improvements in overall efficiency to 93.43%.
- Utilized TensorFlow to analyse complex datasets related to stocks, creating optimized models and implementing them successfully for improved results and increased accuracy in 5 days.

RECENT ACADEMIC PROJECTS

Ambulance Tracker |Tech Skills: Flutter, Firebase, Firestore **Nov 2023**
- Launched an ambulance tracking app working on the same principles as Amazon Delivery Tracker during the Inrix Hackathon.

SCU Alumni Connect App |Tech Skills: Flutter, Firebase **Dec 2023**
- Constructed an innovative chat application and implemented secure authentication, resulting in a 50% increase in user engagement during the prototype launch.
- Optimized app functionality by conducting regular user testing and implementing data-driven updates through real-time cloud-storage, leading to a 25% decrease in app crashes and a 15% increase in customer satisfaction ratings.
- Leveraged the chats, model and profile creation within the application, only meant for SCU students and alumni.

Podcast Application |Tech Skills: React.Js, Bootstrap, Django, HTML5, CSS3 **May 2023**
- Engineered a cutting-edge podcast application, created a comprehensive user experience featuring the latest episodes, team member bios, About Us section, and Contact Us feature.
- Conducted extensive market research to identify key pain points for podcast listeners & incorporated user feedback into app refinement efforts; implemented features such as customizable playlists and social media integration resulting in a 35% increase in daily active users.

BERT Transformer Text Classification| Tech Skills: NLP, BERT, TensorFlow **Apr 2021**
- Implemented NLP techniques and BERT models to optimize input pipelines, resulting in a 60% increase in data processing speed and accuracy of text classification.
- Fine-tuned BERT models using advanced machine learning algorithms, achieving an impressive F1 score of 0.92 on text classification tasks and improving model performance by 25%.
- Controlled TensorFlow API and tf.hub technologies to seamlessly integrate BERT models into production environments, reducing deployment time by 50%.

TECHNICAL SKILLS

- **Languages:** C, C++(Basic), JAVA (Basic), Go (Basic), Python, R, JavaScript (Basic).
- **Frameworks:** TensorFlow, PyTorch, Keras, TensorBoard, Microsoft Office, Git, Figma, Tableau, PowerBI.
- **Big Data & Cloud Technologies:** Azure (ongoing), AWS (EC2, S3, Dynamo, Athena).
- **Databases:** MySQL, SQLlite, NoSQL (Firebase), JDBC, MongoDB.
- **Web & Mobile Technologies:** jQuery, HTML, CSS, XML, React.js, Bootstrap, SASS, Flutter, iOS (Swift & Dart), Android (Java & Kotlin), Dart, Node.js, Flask, Django.
- **Soft Skills:** Six Sigma Yellow Belt in Project Management, Agile, Scrum.