

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 Shaghghi.

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, USA

Jun 2023 – Present

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.
- Led the building of a small stock market for the donation bid page for the company that contributes 5% of product sales to a particular donation bid, reducing third party costs by 20%.

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

SCU Alumni Connect App | Tech Skills: Flutter, Firebase

Current

- 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, SQLite, 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.