AMANDA JUDY ANDRADE

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EDUCATION

Santa Clara University | Santa Clara, CA| M.S. – Computer Science & Engineering   **Jun 2024**
Relevant Courses: Machine Learning, Project Management, Computer Networks, Distributed Systems, Network Design. **GPA: 3.54/4.0**

University of Mumbai | Mumbai, IN| Bachelor of Engineering – Computer Science   **Aug 2021**
Research: Emotion Analysis of Students. https://bit.ly/3Vh0RiS   **GPA: 3.88/4.00**

TECHNICAL SKILLS

Language	C, C++ (Basic), Java (Basic), Golang (Basic), Python, R (Basic), JavaScript (Basic)
ML Frameworks	TensorFlow, Keras, OpenCV, Pandas,
Version Control System	Git, GitHub
SDLC	Agile, Scrum (https://bit.ly/3VfXbha), CI/CD, Gradle
Databases	MongoDB, SQL, MySQL, SQLite, NoSQL (Firebase), JDBC
Web & Mobile Technologies	HTML5, CSS3, XML, Bootstrap, SASS, Flutter, Dart, Flask, Node.js, React.Js, jQuery, Django, Figma
Cloud	Azure (Data Pipelines), AWS (EC2, S3, Athena, Dynamo)
Soft Skills	Agile, Six Sigma Yellow Belt in Project Management

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 professor's supervision to develop an e-commerce website for a home-based business by building the admin panel and product list upload.
- Migrated more than 50+ products from Shopify to the website using Stripe payment modules and an online database, which helped in generating revenue on state-level.
- Saved the owner third-party inventory costs through the Stripe module.

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.
- Contributed with a team of 10 people to fine-tune the parameters and achieve a high accuracy rate of 90.85%.
- 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 from the previous models.

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%.
- Utilised TensorFlow to analyse complex datasets related to stocks, creating optimised models and implementing them successfully in 5 days for improved results and increased accuracy.

Maxgen Technologies Pvt. Ltd.| PHP Web Developer Intern | Mumbai, India   **May 2019 – Jul 2019**
Skillsets: HTML, CSS, JavaScript, jQuery, PHP, MySQL, and Bootstrap
- Created an aesthetic and user-friendly website in a team of 5 people for an educational organisation, resulting in a 120% increase in site visits in 1 month period.
- Reduced page load time by 30% in 3 months, cutting down server response time from 500ms to 350ms.
- Increased user engagement by 25% in 3 months through the use of rich transitions achieved through the above tech stack and decreased deployment costs by 20% while improving overall performance metrics.

PROJECTS

SWIM Protocol Simulation in Wireless Networks |Tech Skills: *AWS, Java, Docker, Git*   **Apr 2024**
- Assisted in the team of 2 for the implementation and fine-tuning of SWIM Endemic Protocol in wireless systems and launched it in real-time systems using AWS EC2 instance.

SCU Alumni Connect App |Tech Skills: *Flutter, Firebase*   **Nov 2023**
- Constructed an innovative chat application and implemented secure authentication, resulting in a 50% increase in user engagement during the prototype launch.
- Optimised 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, which was only meant for SCU students and alumni to discuss and climb the career ladder.

BERT Transformer Text Classification| Tech Skills: *NLP, BERT, TensorFlow*   **Apr 2021**
- Implemented NLP techniques and BERT models to optimise 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 achieved an impressive F1 score of 0.92 on text classification tasks and improved model performance by 25%.
- Controlled TensorFlow API and tf.hub technologies to seamlessly integrate BERT models into production environments, reducing deployment time by 50%.

Emotion Analysis of Students |Tech Skills: *Python, TensorFlow, Deep Learning*   **Feb 2021**
- Managed the fine-tuning of the model parameters in a team of 3, along with the emotion detection amongst 40 classmates during a live lecture .
- Transferred the result data onto the AWS S3 storage, so that the organization's mental department could evaluate it. Documented a strong research material for the next team to takeover and advance the research.