

SACHIN PRASSANA ANBARASAN

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EDUCATION

The George Washington University, School of Engineering & Applied Science

Washington, DC

Master of Science in Computer Science

Dec 2023

GPA: 3.35

Relevant Coursework: Design & Analysis of Algorithms, Machine Learning, Computer Security, Natural Language Processing

Sathyabama Institute of Science and Technology

Chennai, INDIA

Bachelor of Engineering in Computer Science

May 2021

Relevant Coursework: Advanced Data Structures, Database Management Systems, Cloud Computing, Software engineering

SKILLS

- **LANGUAGES:** Python, HTML5, JavaScript, Java, C++, C, YAML, SQL
- **FRAMEWORK:** Django, TensorFlow, RASA, Git, Bootstrap, CSS
- **SOFTWARE:** Autodesk Maya, Adobe Photoshop, MS Office, Dreamweaver, Android Studio, Google Cloud Platform
- **ENVIRONMENT:** Windows, Mac OS, Kali Linux
- **SOFT SKILLS:** Communication, Problem-solving, Critical thinking, Time Management, Creativity, Resilience

PROFESSIONAL EXPERIENCE

The George Washington University

Washington DC, USA

Student Technical Support Assistant

Sep 2022 - Dec 2023

- Mastered the resolution of over 2000 complex technical issues annually as an IT Support Specialist, providing efficient and precise solutions with a resolution rate exceeding 95%
- Delivered technical guidance and support to an average of 50 clients per week, diagnosing and resolving over 1000 hardware and software issues annually. These included troubleshooting internet connectivity, email functionality, local area networks, and facilitating 500+ user account setups and password resets
- **Gained skills:** Confluence, Microsoft Teams, Remedy, AWS, Web User Interface

Codebind Technologies

Chennai India

In-plant Trainee

Jun 2019 - Jun 2019

- Created an admission enquiry website to streamline communication between prospective students and the university, collecting over 100+ queries
- Implemented a database schema capable of managing over 1000 admission inquiries annually, resulting in a 30% improvement in data retrieval speed compared to previous systems, enhancing efficiency and scalability
- **Gained skills:** SQL, HTML, CSS, Dreamweaver, Testing and debugging, PHP, Creativity

TECHNICAL PROJECTS

Project Developer, Music Genre Classification | Python, CNN, Tensorflow

Jan 2023 - May 2023

- Automating the classification of audio/music files to specific categories/genres using machine learning and deep learning algorithms. Created an Artificial Neural Network model with 89% accuracy to categorize audio files based on genre by analyzing and preprocessing 30 different genre audio clips

App Developer, Budget - Expense Tracking Application | Swift, XML

Jan 2022 - Dec 2022

- Developed an iOS expense tracking and budget management app in Swift, focusing on an intuitive interface to enhance user experience. Anticipated a 50% increase in user retention and a 20% rise in daily active users, demonstrating the app's ability to drive user engagement through its intuitive interface

Project Developer, Hand Sign Language Interpreter | Python, Django

Jan 2021 - Dec 2021

- Developed a Convolutional Neural Network to classify hand gestures with 90% accurate prediction rate by processing American Sign Language dataset images

App Developer, Chatbot for Admission Enquiry | Python, RASA, YAML

Jan 2020 - Dec 2020

- Crafted an advanced chatbot employing cutting-edge Natural Language Understanding techniques to interpret and address user queries regarding university admissions. Achieved a remarkable 90% accuracy in question comprehension and response relevance, improving engagement for a diverse user base exceeding 1000 individuals

ACCOMPLISHMENTS

- Intro to Tensorflow, Google Cloud (Coursera)
- Build a simple App in Android Studio with java, Project Network (Coursera)