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OBJECTIVE

Enthusiastic Computer Science and Engineering student with a solid background in AI/ML, and sustainable computing. Looking to apply my technical skills and passion to contribute to meaningful projects in various fields.

EDUCATION

Master Qualification Plan in Computer Science, Blekinge Tekniska Högskola
Received a 50% merit scholarship. Expected 2026

Bachelor Qualification Plan in Computer Science, Blekinge Tekniska Högskola
Final year of the Exchange Program in BTH, Karlskrona, Sweden
Received a 50% merit scholarship. 2023 - 2024

Bachelor's of Technology in Computer Science, Blekinge Tekniska Högskola
Completed first 3 years of the Exchange Program in JNTUK, Kakinada, India 2020 - 2023

SKILLS

Languages	Python, Java, C, C++, SQL, R, JavaScript, HTML, CSS, Dart
Technologies	Azure, AWS, Docker, Kubernetes, Git, Gitlab, Postman
Frameworks	TensorFlow, PyTorch, Flask, Hadoop, AngularJS, Flutter, Seaborn
Tools	Powershell, Numpy, Pandas, MATLAB, Scikit-Learn, Firebase

EXPERIENCE

Machine Learning Intern
Gatty Instruments AB
Sep 2024 - Present
Stockholm, Sweden

- Curated and preprocessed over 8000 data points from spirometry and clinical records, optimizing the dataset for machine learning by engineering 19 features and handling missing data and outliers.
- Developed a cloud-based machine learning model for COPD detection with 99.1% accuracy, leveraging Azure for scalable computing and storage.

AI/ML Intern for Autonomous Systems
TronTech Labs Pvt. Ltd.
May 2023 - Nov 2023
Kakinada, India

- Implemented a cloud-based computer vision model for autonomous drones using Amazon Rekognition and S3, improving initial accuracy from 63% to 91%.
- Led a cross-functional team in the end-to-end development of an autonomous drone platform, resulting in a 40% improvement in project efficiency.
- Contributed to satellite testing hardware R&D, enhancing the reliability of low-cost CubeSat solutions by 25%.

Software Development Intern
Campa Club Pvt. Ltd.
May 2023 - Oct 2023
Bangalore, India

- Improved user engagement by 65% through the UI/UX redesign of the CampaClub.ai website.
- Developed and optimized email marketing campaigns, resulting in a 23% increase in new sign-ups.
- Contributed to a 30% rise in ticket sales by building Campa Club's Vendor and User apps (v1.0) and launching Blabz.ai, a WhatsApp marketing solution.

PROJECTS

Breast Cancer Detection Model. Developed a machine learning model using Python and scikit-learn to classify breast tumors as benign or malignant. Trained on a dataset of breast mass image features, achieving 98% accuracy on the test set. Wrote a comprehensive thesis report, earning an A grade for the project.

Mental Fitness Tracker on AWS. Built a highly available web app for mental fitness tracking using Amazon ECS, Auto Scaling, and an Application Load Balancer. Achieved 99.9% uptime by deploying across multiple availability zones, ensuring scalability and reliability.

CogniHive: AI-Powered Learning Platform. Developed an innovative mobile app using Flutter, Dart, and Firebase to connect study partners. Implemented features for organizing and joining study sessions based on user preferences. Conducted widget and integration testing, improving app stability by 25%. Enhanced accessibility features, increasing user experience and received A grade for it.

COVID-19 Spread Simulation. Created a Python-based simulation model to predict COVID-19 spread using demographic data and transition probabilities. Processed data for multiple countries, generating time-series CSV files. Visualized results with Matplotlib, providing insights that informed public health strategies in 3 local communities.

CERTIFICATIONS

- **Introduction to Data Science in Python**
[University of Michigan \(Coursera\)](#) *Issued Aug 2022*
- **Build a Face Recognition Application using Python**
[GUVI](#) *Issued April 2021*
- **Foundations: Data Data Everywhere**
[Google \(Coursera\)](#) *Issued Sept 2022*
- **Python (Basic)**
[HackerRank](#) *Issued Aug 2022*
- **Problem Solving (Basic)**
[HackerRank](#) *Issued July 2022*
- **SQL (Basic)**
[HackerRank](#) *Issued July 2022*
- **Data Structures in C**
[Great Learning](#) *Issued July 2022*

For a complete list of certifications, please visit my LinkedIn profile.

EXTRA-CURRICULAR ACTIVITIES

Community Service Project: Andhra Pradesh Government Agriproject Kakinada, India
Key role as an observer and backend intern in the software development process, utilizing Django and SQL, and ensuring bug-free application testing. Conducted awareness lectures for students at Z.P. High School on the benefits and best practices of electric vehicles.

Research Collaboration: Kakinada Municipal Commissioner Kakinada, India
Appreciated for solving the worker allocation problem using Python and optimization techniques. Collaborated with Dr. J. V. R. Murthy on a sanitation project, contributing to the development of an optimization algorithm.

Professional Recommendations India
Received recommendation letters from CEOs for outstanding performance and contributions to projects at various companies, including PAYVOY PVT. LTD., Campa Club Pvt. Ltd., and TronTech Labs Pvt. Ltd.