ANIMESH TIWARY
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Portfolio: meshtiwa.github.io/AnimeshPortfolio-Github-Pages-FIX-/

Incoming College Student with passion in STEM, computer design, application of programming principles, software development, cognitive computing, AI, and entrepreneurship

EDUCATION
Incoming College Student, Computer Engineering B.S., Sep 2021 - 2025
University of California, Santa Cruz
Important Classes: AP Calculus AB (5/5), AP Computer Science A, APCSP, Database design/SQL programming

VOLUNTEER/WORK EXPERIENCE
SavanaSolutions – Software Engineer Intern, (Den Hague, Netherlands)
June 2021 - Present
- Using React Native + Redux, Node.js, Express, MongoDB, and AWS to create cost-effective/optimal Android/IOS applications to prevent pollution amongst community in Den Hague (MyCleanCity app)

theCoderSchool (Folsom, CA) – CodeCoach (Programming Tutor)
February 2021- present
- helped teach kids of all ages the basics of algorithmic design using Scratch/Snap programming, Java, Python, and web development; aided in summer bootcamps to help kids create their own video games using development tools

El Dorado Hills California Chamber of Commerce – Intern (101.5 hours)
July 2019 – June 2021
- sorted sponsor cards/posters, packaged sponsor bags, wrote postcards, performed tech support/IT, helped in local member/political events which allowed many local businesses to receive funding and grow (Brewfest)

Dimamzo – Social Media Summer Intern (Remote)
June 2020 – July 2020
- created a marketing video to attract potential chefs + customers; published blog posts which raised user noise on company website; used Google analytics to find website elements lacking user feedback + fix the issues

SKILLS
Proficient with Git, Github, CRUD, MERN stack, HTML, CSS, JS (React), Express API, MongoDB, Node.js, Java, Python, AWS, Postman, PostgreSQL, Oracle SQL, AWS, Linux, Visual Studio Code

PROJECTS
- Used **Python** libraries (**Selenium** + **PRAW**) to create an automated WhatsApp bot which scrapes subreddits from Reddit and sends to specified user; helped to reduce father's stress from work every day
- Used **HTML**, **CSS**, and **JS** to create a biographical website about song artist "Nujabes" that was one of 4 websites placed on open house for showcase in high school computer science class
- Created an app that allows users to store and create notes for themselves using **React Native**, JSON, **Node.js**; used Axios to make calls to **JSON API** to fetch user login info
- Made a password authenticator app that calls **Express API** to make POST requests to database (**MongoDB**) supported by **AWS**; Used Postman to verify token authentication amongst different users
- Portfolio – Created custom-made website about me containing intricate animations using **Three.js**, **HTML**, and **CSS**; deployed using GitHub Pages
- Database Design/SQL Programming Project – *Pokémon Trainer Backpack*
  - Developed a sample business model to help trainers manage item storage (table links, foreign key + recursive relations, superclass-subclass)
  - Implemented the item storage model into a physical database using **PostgreSQL** language through creation of tables, inserting sample data, and views
- Created Tic-Tac-Toe with **Java** using basic AI, 2D matrix manipulation, looping algorithms, and logic statements
- Programmed $10,000 humanoid robot (NAO) to play ping pong using a special robotics software and animation
- *Python Programming: A Concise Introduction* - Certification by Wesleyan University
- Self-built a budget gaming PC using RX 570 and Ryzen 5 1600 components (~$550)