RAVJODH HEER

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EDUCATION

University of California, Santa Cruz Santa Cruz, CA

B.S. Computer Science Expected Graduation: June 2023

- *Relevant Courses:* Computer Systems Design and Operating Systems, Data Structures and Algorithms, Algorithm Analysis, Programming Abstractions in Python, Computational Models, Computer Systems & Assembly Language, Discrete Mathematics, Foundations of Programming Languages

EXPERIENCE

Amazon Web Services (AWS) Dallas, TX

Cloud Support Associate Intern Jun 2022 – Aug 2022

- Designed a responsive full-stack web application using React.JS, Node.JS and DynamoDB to display an interactive web portfolio on the AWS cloud
- Successfully completed a personal project to migrate a non-cloud video game application to AWS cloud
- Gained experience with AWS Lambda, Amazon EC2, Amazon S3, Amazon EBS, Amazon VPC, Amazon Elastic Load Balancing, and Route 53

Allstate Bakersfield, CA

Licensed Sales Professional Jun 2020 – Sep 2021

- Headed a trained team of California-licensed personal lines insurance agents and lead the agency's sales team in acquisition of new customer sales
- Grew the agency's new customer acquisition by more than 100%
- Communicated and developed new connections with larger organizations and local businesses to funnel leads through referral program

PROJECTS

Roomy *"Like a LinkedIn for Rentals"* Sep 2022

Product Owner - Lead Developer

- Constructed a social media web application using React.js and Firebase that allows renters, landlords and roommates to connect and develop social relationships through posts, comments, property listings and rental applications as well as private messaging
- Headed a team to develop the front and back end of the web application by learning and implementing new technologies and languages including React.JS, Redux.JS and Firebase as well as some HTML and CSS
- Developed social media web application backend framework through firebase and smoothly combined with front-end to create an optimized user interface and back end functionality experience

CardBoard *Python board game hosted on AWS Cloud* April 2022

Founder - Sole Developer

- Created a digital card/board game from scratch using python with graphics and game resources built upon the pygame open source library
- Utilized various algorithms for randomization, bot decision making and gameplay with functional game menus and settings
- Uploaded game to online website hosted entirely on AWS Cloud running on an EC2 instance attached to an RDS database within a VPC

SKILLS

Technical: C, C++, Python, Java, Javascript, React.JS, Redux.JS, HTML, CSS, Assembly Language, Linux, Windows, Git, Amazon EC2, Amazon VPC, Amazon EBS, Amazon Redshift, Amazon DynamoDB, Amazon RDS, Amazon S3, AWS Elastic Beanstalk, AWS CLI, Amazon CloudWatch, Amazon CloudFront, AWS CloudFormation, AWS Lambda, VIM, Amazon Web Services, Computer Hardware, Operating Systems, Cloud Applications

Languages: English (Proficient), Punjabi (Native), Hindi (Intermediate), Spanish (Intermediate)