

Aditya Nirgun

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OBJECTIVE

Looking for an opportunity to learn and grow skills in enterprise application development with modern technologies.

SKILL SUMMARY

- Web application development in React and Node
- Development tools like Git and IDEs (Visual Studio, Atom, and IntelliJ)
- Experience with various programming languages: Java, Javascript, Python, MATLAB, HTML/ CSS and PHP
- Writing Experience: Data Analysis, Grant Proposals, IT Instructionals, Lab Reports, Business Plan Formulation, Long Form Essay

WORK EXPERIENCE

HQ Software Consulting

Sept 2019– Present

Software and Web Application Developer

- Built an asset tracking webapp for a client at the State of CA Dept. of Housing and Community Development. The application enabled users to manage assets in a database. It was developed with a React frontend, a REST API running on Node Express, with MySQL database backend.
- Created the site at recover.hcd.ca.gov as an information center for victims of the 2019 California Valley fires to subscribe to pertinent mailing lists with a third-party backend mailing service. I used the Drupal content management system so that the client could fill in the necessary information and also upload documents
- Reprogrammed a label printer using CSHTML code from a freely available SDK that I embedded into my original ASP.NET MVC program to print specifically formatted content from a Drupal webform into custom tags for mailroom workers

Bailey Plant Simulation Lab, UC Davis

March 2018 – July 2019

Research Assistant

- Used point cloud data from LiDAR sensor scans of real crop fields to generate 3D meshes using a nearest-neighbor algorithm for immersive observation with the HTC Vive head mounted display in a Virtual Reality environment built with Unreal Engine
- Worked on developing user interface for a crop simulation and data projection application, Cronus, in C++ and Qt framework

UC Davis IET — Student Staff

October 2015 – December 2015

- Scripted, recorded and published customer support tutorial videos intended for the UC Davis internet user base.

Accenture

July 2014 – September 2014

- Designed and launched a new Mediawiki based Wiki at a major Client site
- Consolidated and migrated individual documentation from DocuWiki to new Wiki

EDUCATION & CERTIFICATIONS

UC Davis — B.S. Plant Science *Emphasis: Genetics and Plant Breeding*

June 2019

Relevant Coursework: Single & Multivariable Calculus, Linear Algebra, Differential Equations, Engineering Statics, Engineering Dynamics, Plant Biotechnology, Circuits, Applied Statistics for Bioscience

Amazon Web Services Cloud Practitioner

September 2019