

Berin Aniesh

SIMULATIONS / SOFTWARE ENGINEER

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Summary

- Simulations / Software engineer with 3+ years of experience with real world software systems.
- Results driven with proven proficiency in all stages of web development, machine learning and software engineering.
- Organized, self motivated and versatile with 15+ completed projects that are used in production.

Work Experience

Kenfra Research

Marthandam, Tamil Nadu

ML ENGINEER / BACKEND DEVELOPER

Sep. 2022 - Present

- Built, trained and deployed three ML projects for clients with evaluation metrics of 95.3% (accuracy), 68.3% (accuracy) and 97.9% (MS-SSIM) respectively.
- Improved the loading times of one of the internal tools by 20% through optimizing queries and database indexing.
- Building a B2B application, used by publication companies to improve their process time by streamlining and automating data flow.

Pepcoding Ltd.

Noida, Uttar Pradesh

PRODUCT ENGINEER

Sep. 2021 - Apr. 2022

- Administered Linux Servers in AWS cloud to maintain an uptime SLA of 99.9% for nados.io
- Instructed a batch of 30 students in subjects of DSA and DBMS successfully.

Education

Pandit Deendayal Energy University

Gandhinagar, Gujarat

M.TECH IN NUCLEAR SCIENCE AND TECHNOLOGY

Sep. 2019 - Aug. 2021

- Specialized in Neutronics and Monte Carlo Simulations and passed out with a GPA of 9/10.
- Completed a project to calculate the heat flux of a CANDU reactor with a margin of error of 15% from the experimental values.

MEPCO Schlenk Engineering College, Anna University

Sivakasi, Tamil Nadu

B.E IN MECHANICAL ENGINEERING

Aug. 2014 - Apr. 2018

- Specialized in Computational Fluid Dynamics simulations and passed out with a GPA of 8.01/10.
- Completed a project in CFD Species Transport in Gasification reactions, predicting the optimum equivalence ratio and verifying the same experimentally.
- Led the students' math club for a period of one year, conducting two workshops and 14 events including math competitions, guest lectures and doubt clarification sessions.

Projects / Skills

Bible API and app

Rust, Javascript

HTTPS://BIBLE.BERINANIESH.XYZ

Nov, 2023 - current

- Designed, architected, developed and deployed the web application and the backend API of the bible reading app.
- Garners around 3000 visitors and serves around 2M requests a month.
- Achieved a lighthouse score of 92/100 and maintains an uptime SLA of 99.9%.
- Built alternative, experimental UIs, which is deployed <https://scripture.berinaniesh.xyz> and <https://bible-web-sveltekit.vercel.app> respectively.

Colris Inc

Python, Go

HTTPS://COLRIS.COM

Sep, 2022 - current

- Part of the founding team of Colris Inc, a DOOH business set out to revolutionize advertising in India.
- Built the backend of the booking application using golang and deployed the same in AWS cloud.
- Building the analytics system to determine the number of views on screen using the video feed from a camera using pytorch and opencv.

TNCars Inc

Rust, Javascript, Linux

HTTPS://TNCARS.PP.UA

May 2023 - current

- An OLX like application focussed on business customers.
- Built and deployed the backend using microservices architecture to ensure reliability and maintainability.
- Building the frontend using Javascript / Sveltekit.