

Navya Rawat

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EDUCATION

IIT KANPUR

B.TECH IN COMPUTER SCIENCE
Expected May 2020

SRI CHAITANYA NARAYANA ACADEMY

XII (TSBIE)
Grad. May 2016 | Hyderabad, India
Aggregate: 98.1%

GITANJALI SENIOR SCHOOL X (ICSE)

Grad. May 2014 | Hyderabad, India
Aggregate: 91.1%

RELEVANT COURSEWORK

Compiler Design*
Machine Learning*
Computer Networks*
DS and Algorithms
Operating Systems
Computer Aided Verification
Principles of Database Systems
Introduction to Software Engineering
Software Architecture
Computer Organisation
Theory of Computation
Introduction to Computing in C
Probability and Statistics
Discrete Mathematics
Linear Algebra

* → upcoming semester

SKILLS

PROGRAMMING

Fluent in:

C • Python • C++

Bash (scripting) • \LaTeX

Familiar with:

Verilog HDL • mongoDB
solidity • Promela

SOFTWARES

git • Docker • Visual Studio
Android Studio • Xilinx ISE
Adobe Premiere Pro • AutoCad
Truffle Framework • Spin

INDUSTRY EXPERIENCE

MICROSOFT, VISIO TEAM | SOFTWARE ENGINEERING INTERN

May-July 2019 | Hyderabad, India

- Worked with the Visio Web team to create a better debugging experience for developers using unsupported files and stencils in Visio Online.
- Worked with the pre-existing codebase of both the Client and Server side architecture of Visio, making industry level code changes.
- Stack used includes C++ and C# for frontend as well as backend development; also efficiently used debugging tools like Visual Studio.
- Reciprocated with a returning job offer for noteworthy contribution to the team.

MICROSOFT, VISIO TEAM | SOFTWARE ENGINEERING INTERN

May-July 2018 | Hyderabad, India

- Developed a product from scratch based on the given problem statement following the agile software development model.
- Worked in a team with 3 other developer interns and a design intern in a collaborative manner for end to end development of a web app based on visualizations in the IoT space.
- Analysed pre-existing code base in JavaScript and TypeScript to design new data structures suitable for the problem statement.
- Used JavaScript, TypeScript and API calls for the back-end development of the web app and HTML, CSS and Fabric UI for front-end development.
- Reciprocated with a returning internship offer for noteworthy contribution to the team.

RELEVANT PROJECTS

BLOCKCHAIN AND DECENTRALISED APPLICATIONS PROJECT | PROJECT UNDER PROF. T.V.PRABHAKAR

Ongoing

- Learning about the latest blockchain technology and it's impact on a wide range of technologies across various industries.
- Designing and building an end to end decentralised application based on blockchain technology for the purpose of e-voting.
- Used the ethereum blockchain, along with Truffle IDE, Ganache framework, and Metamask client.

TRAFFIC MANAGEMENT SYSTEM - DATABASE SYSTEMS | COURSE PROJECT, UNDER PROF. ARNAB BHATTACHARYA

March - April 2019

- Designed collection schemas of various entities to store/fetch information in an efficient manner from a MongoDB database (with Mongoose as the ODM).
- Developed a MEAN web-app for the corresponding design.

SKILLS

WEB DEVELOPMENT

HTML • CSS • JavaScript • C#
TypeScript • Bootstrap • Fabric UI
Ionic Framework • Node.js

TOOLS AND UTILITIES

Microsoft Azure IoT Hub • Make
Microsoft Visio • gnuplot
Uppaal Model Checker

OPERATING SYSTEMS

Linux • Windows • MacOS

NATURAL LANGUAGES

English • Hindi • Telugu

RELEVANT PROJECTS

BHAGAVAD GITA APP

COURSE PROJECT UNDER PROF. NISHEETH SRIVASTAVA

October - November 2018

- Our team of four came up with the idea to build an app to provide Bhagavad Gita Sloka suggestions for an individual based on his previous queries.
- Developed the frontend for an android app using the Ionic Framework and Android Studio
- Further went ahead with the team, to release the app on Google Play Store

GEMOS - OPERATING SYSTEMS | COURSE PROJECT, UNDER PROF.

DEBADATTA MISHRA

August - November 2018

- Implemented Multi-level paging, signal calls (SIGINT, SIGSEV, etc.), and exception handlers (eg. page faults).

HONORS AND AWARDS

ATTENDEE AT CODESS INDIA | MARCH 2018

- Attended the Codess India 2018 by Microsoft and got an opportunity to interact and learn from their leaders, as well as network with budding female coders from all over the country.
- An internship opportunity for the summer of 2018 was offered on the basis of the results of a hackathon conducted during this event.