

Shaivya Chandra

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EDUCATION

ROCHESTER INSTITUTE OF TECHNOLOGY

MASTERS IN COMPUTER SCIENCE
May 2021 | Rochester, NY

AK TECHNICAL UNIVERSITY

BACHELORS IN COMPUTER SCIENCE
May 2017 | Lucknow, India

SKILLS

PROGRAMMING

Java • Python • JavaScript • C
C# • CSS • Xamarin • MySQL

FRAMEWORKS | API

Spring • Struts • Hibernate • Tesseract
API

COURSEWORK

GRADUATE

Advance Object-Oriented Programming
Foundation of Comp Science Theory
Computation Problem Solving
Intro to Big Data
Intro to AI
Foundation of Algorithms
Foundation of Computer Vision
Data Cleaning and Preparation

UNDERGRADUATE

Artificial Intelligence
Computer Graphics
Distributed System
Distributed Database
Compilers
Software Engineering
Computer Architecture
Algorithms
Formal Language
Numerical & Statistical Techniques
Graph Theory
Programming Languages
Computer Networks
Cryptographic & Network Security
Parallel Algorithms
Operating Systems
Data Structures
Digital Image Processing
Semantic Web & Web Services
Real Time System

EXPERIENCE

RIT GLOBAL CYBERSECURITY INSTITUTE | UI LEAD DEVELOPER

Jan 2020 – Currently | Mumbai, India

- Created the Frontend for the infrastructure management for the National Collegiate Penetration Testing Competition.
- Worked on Angular JS to create web pages for the UI designs. Collaborated with teams to produce the maximum work possible in minimum time.

APL LOGISTICS | SENIOR ANALYST

July 2017 – July 2019 | Mumbai, India

- Designed analytic algorithms for optimizing logistics for the company clients like Starbucks and ESPIRIT Holdings by creating cross platform applications.
- Interfaced with clients to plan the engineering deliverables and incorporated customer feedback from field reports.
- Maintained the end to end operations as the subject matter expert for Oracle transport management tool for South East Asia and Vietnam team by creating frameworks and database management.

HEWLETT PACKARD | SOFTWARE INTERNSHIP

Jun 2016 – Jul 2016 | Lucknow, India

Utilized Struts with Hibernate framework to develop an interactive website Recruitment System to match job candidates to the company.

AIRCEL | INFORMATION TECHNOLOGY INTERN

May 2015– Aug 2015 | Lucknow, India

Analyzed the packet routing statistics using CISCO packet tracer. This helped the team to improve the network performance.

RESEARCH

AICE : ARTIFICIAL INTELLIGENCE CODE EVALUATOR

Jun 2016 – Mar 2017

- Developed an automated system for detecting code correctness during exams for hand-written papers.
- Used computer vision-based character recognition to scan code, and designed a back-end system to evaluate the code in a containerized environment.

MINIMIZING DISTORTION IN AUDIO STEGANOGRAPHY |

PRESENTED AT THE 4TH IEEE CONFERENCE ON COMPUTING FOR
SUSTAINABLE GLOBAL DEVELOPMENT, MAR 2017

Dec 2016 – March 2017

Worked on cyber-security by removing distortion from the audio steganography technique like Parity coding, Least Significant Bit coding, Phase Coding.

LEADERSHIP

UDAAN | NGO | TEACHER

Nov 2019 – 2019

I ran classes in computer programming for underprivileged youth in Mumbai slums.

CHAL RANG DE | NGO | COORDINATOR

Nov 2019 – 2019

I organized safety improvements for Indian railways. We identified critical accident-prone locations and painted it with hot melt marking reflective paint.