SUSHANT KUMAR

IIT PATNA

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Profile

I am a software engineer with a solid foundation in databases, operating systems, and computer networking. I have hands-on experience in computer vision and software development life cycle, enabling me to apply software engineering principles effectively. I am passionate about collaborating with talented developers to build innovative software solutions.

Education

2014 – 2018	**B.Tech Computer Science & Engineering** *IIT PATNA*

Experience

05/2017 – 07/2017

Software Engineering Intern
Cognam Technologies
- Developed Automated Testing Framework for websites and mobile apps using Selenium Webdriver.
- Added core payment feature for mobile app transactions, extended framework capabilities for mobile app testing on Android and iOS.
- Did Unit Testing for app and website, covering key functionalities.
- Gained proficiency in locating UI elements using xpath and id.

Projects

07/2017 – 04/2018

Detection of Suspicious Activity from Camera Feed using Computer Vision
Project Supervisor: Prof. Jimson Mathew (Professor, CSE, IIT PATNA)
- Developed a software for criminal activity and Surveillance for CCTV camera of Bank and ATM using Computer Vision.
- Software was trained for mask detection and criminal activity detection Algorithms using OpenCV.

01/2017 – 04/2017

Chat Client
Guide: Dr. Joydeep Chandra (Assistant Professor, CSE,IITP)
- A peer-to-peer chat application using Socket programming. Added an auth server that stores username, password ,and friends list of the members in the chat.
- Added a good looking GUI to chat using Jframe

02/2016 – 04/2016

I-Voting Election System
Guide: Dr. Samrat Mondal (Assistant Professor, CSE,IITP)
- It is an online voting portal. It contains information about candidates, people can also comment on the candidate's post, schedule for elections and other information.
- Role:- Analyzed algorithm for vote counting, backend using Python, Django.

Skills

Programming Languages C/C++, Python, Java,JavaScript,NodeJS	● ● ● ● ○	**Database** MySQL,PostgreSQL,MongoDB	● ● ● ● ○
Algorithms	● ● ● ● ○	**Data Structures**	● ● ● ● ○
Operating Systems	● ● ● ● ○	**Computer Networking**	● ● ● ○ ○

Position Of Responsibilities

Anwesha '17 | Annual Techno-Cultural Festival, IIT Patna
Co-ordinator

Adhyayan | Rural Technology Development Club, IIT Patna
Mentor
- Campaign through which we made educational videos featuring school subject studies and visiting local govt. schools and tutoring them.