Sooraj Kumar
Computer Scientist

An Inquisitive and goal-driven computer scientist with a strong logical mindset and leadership skills. Passionate to develop aesthetically appealing software while adding value to the dynamics of the company.

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EDUCATION

Bachelor of Computer Science
Sukkur IBA University

08/2017 - 06/2021　　　　　　　　　　*3.57 CGPA*

Courses

- Data Structures
- OOP and OOAD
- Mobile App dev
- Data Science
- Database Management
- Research Methodology
- Web Development
- AI and Data Mining

ACADEMIC PROJECTS

Automated Mess Management
- Complete Generic Product for users, cooks, and management of mess
- Native Android Application for users and cooks, Web Application for the manager and super admin
- **Modules:** Records Maintenance, Reports Generation, Custom Notification, Live Menu Decision, Feedback/Complaint Portal, Skipping meal module, Guest food module
- **Technologies:** Android (native) , Laravel Framework

Quiz App
- Web Application for online quiz where anyone can create their quizzes and other people can attempt them.
- **Modules:** Quiz Creator module and the Quiz attempting module, Quiz checking module.
- **Technologies**: Using React JS and Spring Boot

Courses Management Application
- Application for management of courses
- **Modules:** Course creation module, Course retrieval module, Course updating module.
- **Technologies:** React JS and Spring Boot.

Blood Bank Website
- **Modules:** Member registration module, Donor searching module, Communication module.
- **Technologies:** Bootstrap and PHP

Smart Surveillance with Real-time Threat Alarm System
- The camera will record only frames in which face is detected and will generate an alarm on threats detection like a knife. In response, an email and SMS will be sent to the authority.
- Used YOLO pre-trained model to detect threat objects like knife
- **Technologies:** Developed using Computer Vision and Deep Learning model in Python

Pneumonia Classification using Chest X-rays
- Analyzed and explored image dataset
- Performed preprocessing
- Built, trained, and optimized sequential model in python using Keras
- Applied multiple performance evaluation metrics

SKILLS

Java　Android Development　Spring Boot
JavaScript　React JS　Firebase　PHP　C++
Python　Machine Learning　Deep Learning　SQL
Git

ACHIEVEMENTS

Sindh Talent Hunt Program Scholar

Sindh Endowment Scholarship (07/2017 - 06/2021)

Runner-up of Speed Programming Competition in IEEE PSYWSC' 19 (11/2019)

CERTIFICATES

Interactivity with JavaScript, CSS3, HTML5 (3 courses)
by University of Michigan

React-101
Offered through Codecademy

Image and Video Processing: From Mars to Hollywood with a Stop at the Hospital
by Duke University

Capstone: Retrieving, Processing, and Visualizing Data with Python
by University of Michigan

Mastering Python- A Hands on Approach
Five week workshop offered by Sukkur IBA Uiversity

LANGUAGES

English
Full Professional Proficiency

Urdu
Native or Bilingual Proficiency

INTERESTS

Artificial Intelligence　logic building　Aesthetics
Book Reading　Public Speaking　Singing　Sports
Traveling