

Sagar Chethan Kumar

Student

Driven by my intellectual curiosity, I have developed a passion for computer science, community outreach, and puzzles.



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Erlangen

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EDUCATION

International Baccalaureate Diploma Franconian International School (FIS)

08/2020 - Present Erlangen, Bavaria

Courses (Predicted Grades)

- Math Analysis and Approaches (HL) - 7
- Physics (HL) - 7
- Computer Science (SL) - 7
- German B (HL) - 7
- Business Management (SL) - 7
- English (SL) - 6

IGCSE

Franconian International School (FIS)

08/2018 - 06/2020 Erlangen, Bavaria

Courses

- Math Extended A*
- Coordinated Sciences A*A*
- Geography A*
- Drama A
- World Literature B

FIS Diploma

Franconian International School (FIS)

08/2009 - Present Erlangen, Bavaria

WORK EXPERIENCE

App Development Intern @ Hype Adidas

07/2019 - 08/2019 Herzogenaurach, Bavaria

Achievements/Tasks

- Development of Android Application in Hype section
- Implementation of 15 adaptive user interfaces
- Use of backend systems in business related projects
- Application of database interfaces (improved compatibility by 60%)
- AI data structure investigations

Contact : Partha Rao - linkedin.com/in/partharao

App Development Intern @ DigitalTwin Friedrich-Alexander University & Adidas

07/2021 - 08/2021 Erlangen, Bavaria

Achievements/Tasks

- Redesigned 20 Android and IOS user interfaces
- Optimized representation of data from sensory tracking systems (accelerometer and heart rate)
- Produced a criterion-based application development system increasing communication and visualization efficiency by 40%

Contact : Madeleine Flaucher - madeleine.flraucher@fau.de

SKILLS

Reflective

Computational Problem-Solving

Java

Python

Engagement

Communication

UNIVERSITY RESEARCH & PROJECTS

DigiOnko Friedrich-Alexander University (07/2021 - 08/2021)

- Systematized an academic review on parameters that influence breast cancer risk
- Assessed the support potential within the use of technology (home-monitoring, mHealth, uHealth, wearables, and data manipulation)
- Preliminary Research Paper: [The Association of Sleep and its Respective Factors and Breast Cancer Risk_SAGAR_FAU](#)

Work It! (01/2021 - Present)

- Developed a workout creator based on user inputs to help incorporate a multitude of diverse workouts throughout the day
- Implementation of Firebase to store previous workout data
- Created a ranking system to assess which factors indirectly led to work out choice

COVID-19 Application (03/2021 - Present)

- Development of intuitive user interface adaptation
- Utilization and application of APIs and web scraping for accurate and relevant data

ORGANIZATIONS

Refugee Aid (06/2018 - 08/2021)

A service group I founded in response to the refugee crisis in Germany in to help incorporate the refugees into our local community with technology.

Coding Society (03/2018 - Present)

A service and creativity group I advocated and helped create to use as a platform to help teach others within our local community to code.

CERTIFICATES

IGCSE Distinction Certificate (08/2018 - 06/2020)

The highest distinction available. Awarded for students with Grade A or better in five subjects.

LANGUAGES

English

Native or Bilingual Proficiency

Kannada

Limited Working Proficiency

Python

Full Professional Proficiency

German

Full Professional Proficiency

Java

Full Professional Proficiency

HTML

Full Professional Proficiency