|  |
| --- |
| Aditi Choudhry  Zuiderparklaan 384, 2574 GS, Den Haag · 06-48280497  Aditi.ch2@gmail.com |
| Highly analytical bioinformatician, skilled in Python and R. Always open to develop more skills and eager to learn new methods and techniques regarding Bioinformatics or data science. With thorough attention to detail, makes use of talents to investigate and research complex biological, cellular and chemical experiment. Currently looking for a suitable position to contribute my knowledge of computer science in research for analyzing DNA. |
|  |

# Experience

|  |
| --- |
| 10/2019 – 03/2020Bioinformatics, Genova Worked with Human Methylation 450k BeadChip data and focused on data science within bioinformatics, includes data cleaning, preprocessing and data usage. The same data was used for developing a pipeline with Python, applying data mining to develop the pipeline. |
| 02/2019 – 08/2019bioinformatics, erasmus mc Research on the gene STAT3 (activator of transcription 3) , under guidance of prof. dr. PM van Hagen. Research includes visualizing gene associations with Python, canonical pathway analysis with Ingenuity Pathway analysis (IPA) and phylogenetic tree analysis with Python. All analysis are related to growth disruption, dwarfism and retardation. |
| 08/2018 – 01/2019Bioinformatics, erasmus mc Research on craniosynostosis, based on Whole Genome Sequencing (WGS) data for finding Single Polymorphism (SNP) mutations. Using Integrated Genomic Viewer (IGV) for SNP mutations, R programming for visualizing the SNP mutation in the gene and compare the same visualization with IGV in an exon or intron. All work was completed under guidance of dr. P.J. van der Spek. |
|  |

# Education

|  |
| --- |
| 08/2020Bachelor of science bioinformatics, hogeschool van arngem en nijmegen Course includes data science, data analysis and biological researches. Trained to work with Linux, Python, R, SQL database management and Java. |
| 09/2010intermediate vocational education in it engineering, roc nova haarlem Course includes, Windows server management, Cisco management, introduction with Linux and implementations of servers, routers and databases. |

# Skills

|  |  |
| --- | --- |
| * Experience in both Python and R * Experience in Bash and Linux * Highly affective and strong in presenting my work * Visualizing genome data in Python and R * GitHub data management | * Experience in WGS and NGS data * Experience in Human Methylation 450k BeadChip data * Affective communication style for both technical and lay audiences * Ability to interpet, troubleshoot and report complex data |

# Activities

Going to the gym and staying fit is a way to keep mental health fresh and to come up with new ideas, regarding any project. Looking representable is a must for work but also free time, doing make up on the side is a hobby. Traveling is a way to explore a new world and culture, little things in the world can fascinate a person a lot.

Eager to learn, led to online certifying in Data Science with 75% score and Algorithmic Designs and Techniques with 70% score, for both courses Python was used.